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OM protein - protein search, using sw model

Run on: December 5, 2005, 09:31:13 ; Search time 164 Seconds
(without alignments)
919.734 Million cell updates/sec

Title: US-10-077-698-1

Perfect score: 1846
Sequence: 1 MSPCCARAGADAPLRSLRQA.....KGATLPTSVKRNDSLISG 361

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_ML_Main:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBSCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubpaa/US08_PUBSCOMB.pep:*
- 3: /cgn2_6/ptodata/1/pubpaa/US09_PUBSCOMB.pep:*
- 4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBSCOMB.pep:*
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- 6: /cgn2_6/ptodata/1/pubpaa/US11_PUBSCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1846	100.0	361	US-09-992-331-2	Sequence 2, Appl1
2	1846	100.0	361	US-10-015-498-2	Sequence 2, Appl1
3	1846	100.0	361	US-10-086-181-2	Sequence 2, Appl1
4	1846	100.0	361	US-10-077-698-1	Sequence 1, Appl1
5	1846	100.0	361	US-10-171-027-1	Sequence 1, Appl1
6	1846	100.0	361	US-10-075-987-1	Sequence 1, Appl1
7	1846	100.0	361	US-10-149-826-20	Sequence 20, Appl1
8	1846	100.0	599	US-10-505-486-32	Sequence 32, Appl1
9	1838	99.6	361	US-09-995-225-8	Sequence 8, Appl1
10	1838	99.6	361	US-09-995-225-8	Sequence 8, Appl1
11	1831.5	99.2	360	US-10-262-313-2	Sequence 2, Appl1
12	1831.5	99.2	360	US-10-768-878-2	Sequence 2, Appl1
13	1769	95.8	361	US-10-225-567A-682	Sequence 682, App
14	1591	86.2	361	US-10-086-181-5	Sequence 5, Appl1
15	1591	86.2	361	US-10-077-698-4	Sequence 4, Appl1
16	1591	86.2	361	US-10-171-027-4	Sequence 4, Appl1
17	1591	86.2	361	US-10-075-987-4	Sequence 4, Appl1
18	1541	83.5	300	US-10-077-698-6	Sequence 6, Appl1
19	1541	83.5	300	US-10-075-987-6	Sequence 6, Appl1
20	1353	73.3	300	US-10-077-698-7	Sequence 7, Appl1
21	1353	73.3	300	US-10-075-987-7	Sequence 7, Appl1
22	959	52.0	221	US-10-116-252-12	Sequence 12, Appl1
23	959	52.0	221	US-10-017-161-1810	Sequence 1810, Ap
24	959	52.0	221	US-10-292-798-1466	Sequence 1466, Ap
25	639	34.6	129	US-10-276-774-1615	Sequence 1615, Ap
26	628	34.0	356	US-09-791-932-70	Sequence 70, Appl1
27	468	25.4	140	US-09-791-932-93	Sequence 93, Appl1

28	300	16.3	444	5	US-10-868-379-7	Sequence 7, Appl1
29	296	16.0	460	5	US-10-081-810-46	Sequence 46, Appl1
30	296	16.0	460	5	US-10-868-379-9	Sequence 9, Appl1
31	294	15.9	395	2	US-08-900-230-5	Sequence 5, Appl1
32	290	15.7	444	3	US-09-992-311-19	Sequence 19, Appl1
33	290	15.7	444	4	US-10-081-810-45	Sequence 45, Appl1
34	290	15.7	444	4	US-10-225-567A-370	Sequence 370, App
35	290	15.7	444	4	US-10-262-313-19	Sequence 19, Appl1
36	290	15.7	444	4	US-10-060-369-11	Sequence 11, Appl1
37	290	15.7	444	4	US-10-178-194-2	Sequence 2, Appl1
38	290	15.7	444	4	US-10-768-878-19	Sequence 19, Appl1
39	290	15.7	444	5	US-10-868-379-8	Sequence 8, Appl1
40	290	15.7	444	5	US-10-941-486-3	Sequence 3, Appl1
41	290	15.7	444	5	US-10-507-617-11	Sequence 11, Appl1
42	290	15.7	444	6	US-11-060-291-23	Sequence 23, Appl1
43	289	15.7	345	4	US-10-262-313-11	Sequence 11, Appl1
44	289	15.7	345	4	US-10-254-905-10	Sequence 10, Appl1
45	289	15.7	345	4	US-10-359-285-5	Sequence 5, Appl1

ALIGNMENTS

RESULT 1
US-09-992-331-2
; Sequence 2, Application US/09992331
; Publication No. US20030022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTIER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HEPREMY18,
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/248,483
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-992-331-2
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Best Local Similarity 100.0%; Pred. No. 8.2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1 MSPECCARAGADAPLRSLRQA.....KGATLPTSVKRNDSLISG 60
Db 1 MSPECCARAGADAPLRSLRQA.....KGATLPTSVKRNDSLISG 60
QY 61 ALVAVARRRRGGATACVNLFCADLFLTAIFLVAVRTEAMLGPVACHLLFFVMTL 120
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Db 61 ALVAVARRRRGGATACVNLFCADLFLTAIFLVAVRTEAMLGPVACHLLFFVMTL 120
QY 121 SGSTVITTLAASLERVNCIVHLQRGVGRGRRARAVTLALINGSAVAALPLCVFRRV 180
121 SGSTVITTLAASLERVNCIVHLQRGVGRGRRARAVTLALINGSAVAALPLCVFRRV 180
Db 121 SGSTVITTLAASLERVNCIVHLQRGVGRGRRARAVTLALINGSAVAALPLCVFRRV 180
QY 181 PQLPGADQGISICTLWPTIPGDISWDSFVTLNLPVGLVIVISYKLTQTKASRRK 240
181 PQLPGADQGISICTLWPTIPGDISWDSFVTLNLPVGLVIVISYKLTQTKASRRK 240
Db 181 PQLPGADQGISICTLWPTIPGDISWDSFVTLNLPVGLVIVISYKLTQTKASRRK 240
QY 241 LTVSLAVSESHQIRVSGQDFRLFRTLFLMVSVFFIMKSPIITLILILQNFQDVLWIP 300
241 LTVSLAVSESHQIRVSGQDFRLFRTLFLMVSVFFIMKSPIITLILILQNFQDVLWIP 300

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Db 241 LTVSLAVSESHQIRVSGODRFLPRTLFLMVSPFIMSPITITLLILIONFKODLVIWP 300
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Db 301 SLFFWVAFTFANSALNPILYNMTCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
QY 361 G 361
Db 361 G 361

RESULT 2
US-10-015-498-2
; Sequence 2, Application US/10015498
; Publication No. US20020151705A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Kelli E.
; APPLICANT: Quan, Yong
; TITLE OF INVENTION: DNA Encoding Orphan SNORF49 Receptor
; FILE REFERENCE: 60134
; CURRENT APPLICATION NUMBER: US/10/015,498
; CURRENT FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US/09/412,933
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-015-498-2

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8,2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRVLVAVETTVLILFAVSLGNVC 60
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Db 61 ALVLVARRRRRGATACLVNLFPCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSVTILTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFFRVV 180
Db 121 SGSVTILTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFFRVV 180
QY 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
Db 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
QY 241 LTVSLAVSESHQIRVSGODRFLPRTLFLMVSPFIMSPITITLLILIONFKODLVIWP 300
Db 241 LTVSLAVSESHQIRVSGODRFLPRTLFLMVSPFIMSPITITLLILIONFKODLVIWP 300
QY 301 SLFFWVAFTFANSALNPILYNMTCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
Db 301 SLFFWVAFTFANSALNPILYNMTCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
QY 361 G 361
Db 361 G 361

RESULT 3
US-10-086-181-2
; Sequence 2, Application US/10086181
; Publication No. US2002017151A1
; GENERAL INFORMATION:
; APPLICANT: Gimeno, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
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; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: MNI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-086-181-2

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8,2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRVLVAVETTVLILFAVSLGNVC 60
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Db 61 ALVLVARRRRRGATACLVNLFPCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSVTILTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFFRVV 180
Db 121 SGSVTILTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFFRVV 180
QY 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
Db 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
QY 241 LTVSLAVSESHQIRVSGODRFLPRTLFLMVSPFIMSPITITLLILIONFKODLVIWP 300
Db 241 LTVSLAVSESHQIRVSGODRFLPRTLFLMVSPFIMSPITITLLILIONFKODLVIWP 300
QY 301 SLFFWVAFTFANSALNPILYNMTCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
Db 301 SLFFWVAFTFANSALNPILYNMTCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
QY 361 G 361
Db 361 G 361

RESULT 4
US-10-077-698-1
; Sequence 1, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-077-698-1

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8,2e-162;
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Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60
Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60

Qy 61 ALVIVARRRRRGATACVLNLFCDLLFISAIPLVLA VRTEAWLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACVLNLFCDLLFISAIPLVLA VRTEAWLGPVACHLLFYVMTL 120

Qy 121 SGSVTITLLAAVSLERNVCIVHLQGVGPGRRARA VLLALINGYSAAVALPLCVFPRV 180
Db 121 SGSVTITLLAAVSLERNVCIVHLQGVGPGRRARA VLLALINGYSAAVALPLCVFPRV 180

Qy 181 PORLPGADQEIISICTLIMPTIPGEISWDVSFVTLN FLPGLVIVISYSKILQITKASRK 240
Db 181 PORLPGADQEIISICTLIMPTIPGEISWDVSFVTLN FLPGLVIVISYSKILQITKASRK 240

Qy 241 LTVSLAYSESHQIRVSQODFRLFTTLFLMVSPFIM SPTITITLLILIONFKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFTTLFLMVSPFIM SPTITITLLILIONFKODLVIMP 300

Qy 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEMKKI FCFWFPEKGA ILTDTSVKNDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEMKKI FCFWFPEKGA ILTDTSVKNDLSIIS 360

Qy 361 G 361
Db 361 G 361

RESULT 5
US-10-171-027-1
; Sequence 1, Application US/10171027
; Publication No. US20030073168A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recept
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/10/171.027
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US/09/456,455
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-171-027-1

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 241 LTVSLAYSESHQIRVSQODFRLFTTLFLMVSPFIM SPTITITLLILIONFKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFTTLFLMVSPFIM SPTITITLLILIONFKODLVIMP 300

Qy 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEMKKI FCFWFPEKGA ILTDTSVKNDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEMKKI FCFWFPEKGA ILTDTSVKNDLSIIS 360

Qy 361 G 361
Db 361 G 361

RESULT 6
US-10-075-987-1
; Sequence 1, Application US/10075987
; Publication No. US20030166061A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Recept
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/075,987
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-075-987-1

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60

Qy 61 ALVIVARRRRRGATACVLNLFCDLLFISAIPLVLA VRTEAWLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACVLNLFCDLLFISAIPLVLA VRTEAWLGPVACHLLFYVMTL 120

Qy 121 SGSVTITLLAAVSLERNVCIVHLQGVGPGRRARA VLLALINGYSAAVALPLCVFPRV 180
Db 121 SGSVTITLLAAVSLERNVCIVHLQGVGPGRRARA VLLALINGYSAAVALPLCVFPRV 180

Qy 181 PORLPGADQEIISICTLIMPTIPGEISWDVSFVTLN FLPGLVIVISYSKILQITKASRK 240
Db 181 PORLPGADQEIISICTLIMPTIPGEISWDVSFVTLN FLPGLVIVISYSKILQITKASRK 240

Qy 241 LTVSLAYSESHQIRVSQODFRLFTTLFLMVSPFIM SPTITITLLILIONFKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFTTLFLMVSPFIM SPTITITLLILIONFKODLVIMP 300

Qy 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEMKKI FCFWFPEKGA ILTDTSVKNDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEMKKI FCFWFPEKGA ILTDTSVKNDLSIIS 360

Qy 361 G 361
Db 361 G 361

RESULT 7
US-10-149-826-20
; Sequence 20, Application US/10149826
; Publication No. US20040224314A1

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; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: BURFORD, Neil.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: YANG, Junming
; APPLICANT: LU, Dying Aina M.
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0001 PCT
; CURRENT APPLICATION NUMBER: US/10/149,826
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/172,852; 60/171,732; 60/176,148; 60/177,331
; PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 20
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 5029478CD1
US-10-149-826-20

Query Match          100.0%; Score 1846; DB 5; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
DB 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
QY 61 ALVAVARRRRRGATACVLNLFCAIDLFTSAIPLVAVRWTEAMLGPVACHLLFYVMTL 120
DB 61 ALVAVARRRRRGATACVLNLFCAIDLFTSAIPLVAVRWTEAMLGPVACHLLFYVMTL 120
QY 61 ALVAVARRRRRGATACVLNLFCAIDLFTSAIPLVAVRWTEAMLGPVACHLLFYVMTL 120
DB 61 ALVAVARRRRRGATACVLNLFCAIDLFTSAIPLVAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
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QY 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
DB 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
QY 181 PORLPGADOEISICTLIMPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
DB 181 PORLPGADOEISICTLIMPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
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DB 301 SLFFWVAFTFANSALNPILYNNMTCRNEMKKIFCCFMPPEKAILTDTSVKRNDSIIS 360
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DB 361 G 361

RESULT 8
US-10-505-486-32
; Sequence 32, Application US/10505486
; Publication No US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Determination of a ligand
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505,486
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
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; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 32
; LENGTH: 599
; TYPE: PRT
; ORGANISM: Human
US-10-505-486-32

Query Match          100.0%; Score 1846; DB 5; Length 599;
Best Local Similarity 100.0%; Pred. No. 1.5e-161;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
DB 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
QY 61 ALVAVARRRRRGATACVLNLFCAIDLFTSAIPLVAVRWTEAMLGPVACHLLFYVMTL 120
DB 61 ALVAVARRRRRGATACVLNLFCAIDLFTSAIPLVAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
DB 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
QY 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
DB 121 SGSVTTLTLAAVSLERWVCIVHLQGVGGRARRAVLLALIWGSAVAALPLCVFPRVY 180
QY 181 PORLPGADOEISICTLIMPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
DB 181 PORLPGADOEISICTLIMPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
QY 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITLLILIONFKODLVIMP 300
DB 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITLLILIONFKODLVIMP 300
QY 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITLLILIONFKODLVIMP 300
DB 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITLLILIONFKODLVIMP 300
QY 301 SLFFWVAFTFANSALNPILYNNMTCRNEMKKIFCCFMPPEKAILTDTSVKRNDSIIS 360
DB 301 SLFFWVAFTFANSALNPILYNNMTCRNEMKKIFCCFMPPEKAILTDTSVKRNDSIIS 360
QY 301 SLFFWVAFTFANSALNPILYNNMTCRNEMKKIFCCFMPPEKAILTDTSVKRNDSIIS 360
DB 301 SLFFWVAFTFANSALNPILYNNMTCRNEMKKIFCCFMPPEKAILTDTSVKRNDSIIS 360
QY 361 G 361
DB 361 G 361

RESULT 9
US-09-995-225-8
; Sequence 8, Application US/0995225
; Publication No US20020193584A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huang T.
; APPLICANT: Lowitz, Kevin P.
; TITLE OF INVENTION: Endogenous And No. US20020193584A1-Endogenous Versions of Human
; FILE REFERENCE: AREN-0308
; CURRENT APPLICATION NUMBER: US/09/995,225
; CURRENT FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: PCT/US99/23938
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/253,404
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 2000-11-27
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/255,366
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/270,286
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,365
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/270,266
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,032
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,358
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; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,356
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/290,917
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 60/309,208
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 8
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: No. US20020139584A1el Sequence
US-09-995-225-8

Query Match      99.6%; Score 1838; DB 3; Length 361;
Best Local Similarity 99.7%; Pred. No. 4.5e-161;
Matches 360; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MSPECARAGDAPRLSLEQANRTRPPFSQVKGDRHLVLAAVETTVLIFAVSLGAVC 60
D      1 MSTECARAGDAPRLSLEQANRTRPPFSQVKGDRHLVLAAVETTVLIFAVSLGAVC 60
QY      61 ALVVARRRRGATACVLNLFCAIDLFIISAIPLVLAVRTEAWLGGVACHLLFYWTL 120
D      61 ALVVARRRRGATACVLNLFCAIDLFIISAIPLVLAVRTEAWLGGVACHLLFYWTL 120
QY      121 SGSTVITLLAASLERMVCIVHLQGVGPGRRARAVLLAIWGSAAVALPLCVFFRVV 180
D      121 SGSTVITLLAASLERMVCIVHLQGVGPGRRARAVLLAIWGSAAVALPLCVFFRVV 180
QY      181 PORLPGADOEISICTLWPTTIGBSISWDVSFTVTLNPLVPGIVIVISYSKIIQITKASKR 240
D      181 PORLPGADOEISICTLWPTTIGBSISWDVSFTVTLNPLVPGIVIVISYSKIIQITKASKR 240
QY      241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
D      241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
QY      301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
D      301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
QY      361 G 361
D      361 G 361

RESULT 10
US-09-995-225-8
; Sequence 8, Application US/09995225
; Publication No. US20030139588A9
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huang T.
; APPLICANT: Lowitz, Kevin P.
; TITLE OF INVENTION: Endogenous And No. US20030139588A9-Endogenous Versions of Human G
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0308
; CURRENT APPLICATION NUMBER: US/09/995, 225
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: PCT/US99/23938
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/253,404
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/255,366
; PRIOR FILING DATE: 2000-12-12
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; PRIOR APPLICATION NUMBER: 60/270,286
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,365
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/270,266
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,032
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,358
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,356
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/290,917
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 60/309,208
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 8
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: No. US20030139588A9el Sequence
US-09-995-225-8

Query Match      99.6%; Score 1838; DB 3; Length 361;
Best Local Similarity 99.7%; Pred. No. 4.5e-161;
Matches 360; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MSPECARAGDAPRLSLEQANRTRPPFSQVKGDRHLVLAAVETTVLIFAVSLGAVC 60
D      1 MSTECARAGDAPRLSLEQANRTRPPFSQVKGDRHLVLAAVETTVLIFAVSLGAVC 60
QY      61 ALVVARRRRGATACVLNLFCAIDLFIISAIPLVLAVRTEAWLGGVACHLLFYWTL 120
D      61 ALVVARRRRGATACVLNLFCAIDLFIISAIPLVLAVRTEAWLGGVACHLLFYWTL 120
QY      121 SGSTVITLLAASLERMVCIVHLQGVGPGRRARAVLLAIWGSAAVALPLCVFFRVV 180
D      121 SGSTVITLLAASLERMVCIVHLQGVGPGRRARAVLLAIWGSAAVALPLCVFFRVV 180
QY      181 PORLPGADOEISICTLWPTTIGBSISWDVSFTVTLNPLVPGIVIVISYSKIIQITKASKR 240
D      181 PORLPGADOEISICTLWPTTIGBSISWDVSFTVTLNPLVPGIVIVISYSKIIQITKASKR 240
QY      241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
D      241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
QY      301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
D      301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKIFCCFWPEKGA1LTDTSVKRNDLSIIS 360
QY      361 G 361
D      361 G 361

RESULT 11
US-10-262-313-2
; Sequence 2, Application US/10262313
; Publication No. US20030129653A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; APPLICANT: Novartis
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY18, EXPRESSED HIG
; TITLE OF INVENTION: PITUITARY GLAND AND COLON CARCINOMA CELLS
; FILE REFERENCE: D0048 CIP
; CURRENT APPLICATION NUMBER: US/10/262,313
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 50
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-313-2

Query Match          99.2%; Score 1831.5; DB 4; Length 360;
Best Local Similarity 99.7%; Pred. No. 1.8e-160;
Matches 360; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MSPECARAAAGDAPLRSLSEQANRTRPPFSDVKGDHRLVLAAVETTVVLIFAVSLGNVC 60
    |||
DB 1 MSPECARAAAGDAPLRSLSEQANRTRPPFSDVKGDHRLVLAAVETTVVLIFAVSLGNVC 60

QY 61 ALVIVARRRRRGATACIVNLFCADLIFSAIPVLAVRTEAMLGPVACHLLFYVMTL 120
    |||
DB 61 ALVIVARRRRRGATACIVNLFCADLIFSAIPVLAVRTEAMLGPVACHLLFYVMTL 120

QY 121 SGSVTITTLAAVSLERNVCIVHLQGVGGRARRAVLALLIWGYSVAALPLCVFPRV 179
    |||
DB 121 SG-VTITTLAAVSLERNVCIVHLQGVGGRARRAVLALLIWGYSVAALPLCVFPRV 179

QY 181 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240
    |||
DB 181 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240

QY 180 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 239
    |||
DB 180 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 239

QY 241 LTVSLAVSESHQIRVSGODFRLFRTLFLMVSPFIMSPITITILLILIONFKODLVIWP 300
    |||
DB 240 LTVSLAVSESHQIRVSGODFRLFRTLFLMVSPFIMSPITITILLILIONFKODLVIWP 299

QY 301 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCFWPPEKGAILTDSVKRNDLSIIS 360
    |||
DB 300 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCFWPPEKGAILTDSVKRNDLSIIS 359

QY 361 G 361
DB 360 G 360

RESULT 12
US-10-768-878-2
; Sequence 2, Application US/10768878
; Publication No. US20040161823A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRPMY18, EXPRESSED
; TITLE OF INVENTION: HIGHLY IN PITUITARY GLAND, COLON CARCINOMA, AND LUNG CANCER CELL
; FILE REFERENCE: D0048A CIP2
; CURRENT APPLICATION NUMBER: US/10/768, 878
; PRIOR FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: U.S. 60/248,483
; PRIOR FILING DATE: 2000-11-14
; PRIOR APPLICATION NUMBER: U.S. 10/262,313
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: U.S. 60/308,540
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-768-878-2

Query Match          99.2%; Score 1831.5; DB 4; Length 360;
Best Local Similarity 99.7%; Pred. No. 1.8e-160;
Matches 360; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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QY 1 MSPECARAAAGDAPLRSLSEQANRTRPPFSDVKGDHRLVLAAVETTVVLIFAVSLGNVC 60
    |||
DB 1 MSPECARAAAGDAPLRSLSEQANRTRPPFSDVKGDHRLVLAAVETTVVLIFAVSLGNVC 60

QY 61 ALVIVARRRRRGATACIVNLFCADLIFSAIPVLAVRTEAMLGPVACHLLFYVMTL 120
    |||
DB 61 ALVIVARRRRRGATACIVNLFCADLIFSAIPVLAVRTEAMLGPVACHLLFYVMTL 120

QY 121 SGSVTITTLAAVSLERNVCIVHLQGVGGRARRAVLALLIWGYSVAALPLCVFPRV 179
    |||
DB 121 SG-VTITTLAAVSLERNVCIVHLQGVGGRARRAVLALLIWGYSVAALPLCVFPRV 179

QY 181 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240
    |||
DB 181 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240

QY 180 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 239
    |||
DB 180 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 239

QY 241 LTVSLAVSESHQIRVSGODFRLFRTLFLMVSPFIMSPITITILLILIONFKODLVIWP 300
    |||
DB 240 LTVSLAVSESHQIRVSGODFRLFRTLFLMVSPFIMSPITITILLILIONFKODLVIWP 299

QY 301 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCFWPPEKGAILTDSVKRNDLSIIS 360
    |||
DB 300 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCFWPPEKGAILTDSVKRNDLSIIS 359

QY 361 G 361
DB 360 G 360

RESULT 13
US-10-225-567A-682
; Sequence 682, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 682
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-682

Query Match          95.8%; Score 1769; DB 4; Length 361;
Best Local Similarity 97.2%; Pred. No. 1e-154;
Matches 351; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MSPECARAAAGDAPLRSLSEQANRTRPPFSDVKGDHRLVLAAVETTVVLIFAVSLGNVC 60
    |||
DB 1 MSPECARAAAGDAPLRSLSEQANRTRPPFSDVKGDHRLVLAAVETTVVLIFAVSLGNVC 60

QY 61 ALVIVARRRRRGATACIVNLFCADLIFSAIPVLAVRTEAMLGPVACHLLFYVMTL 120
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DB 61 ALVIVARRRRRGATACIVNLFCADLIFSAIPVLAVRTEAMLGPVACHLLFYVMTL 120

QY 121 SGSVTITTLAAVSLERNVCIVHLQGVGGRARRAVLALLIWGYSVAALPLCVFPRV 180
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DB 121 SGSVTITTLAAVSLERNVCIVHLQGVGGRARRAVLALLIWGYSVAALPLCVFPRV 180

QY 181 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240
    |||
DB 181 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240

QY 180 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240
    |||
DB 180 PORLPGADOEISICTLIWPTIPGEISWDVSFVTNPLVPGVLYVISYSKILQITKASRK 240

QY 241 LTVSLAVSESHQIRVSGODFRLFRTLFLMVSPFIMSPITITILLILIONFKODLVIWP 300
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DB 241 LTVSLAVSESHQIRVSGODFRLFRTLFLMVSPFIMSPITITILLILIONFKODLVIWP 300
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Db 241 LTVSLAVSRHQIRVSQODFRLFTLFLMVSFFIMSPIDITILLIQNFKODLVIMP 300
Qy 301 SLFFWVVAFTFANSALNPLINMTLCRNEWKIFCCFFPEPKGALITDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPLINMTLCRNEWKIFCCFFPEPKGALITDTSVKRDLSIIS 360
Qy 361 G 361
Db 361 G 361

RESULT 14
US-10-086-181-5
Sequence 5, Application US/10086181
Publication No. US20020177151A1
GENERAL INFORMATION:
APPLICANT: GIMENO, Ruth
TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
FILE REFERENCE: MNI-220
CURRENT APPLICATION NUMBER: US/10/086,181
CURRENT FILING DATE: 2002-02-26
PRIOR APPLICATION NUMBER: 60/271,655
PRIOR FILING DATE: 2001-02-26
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 5
LENGTH: 361
TYPE: PRT
ORGANISM: Murine ortholog
US-10-086-181-5

Query Match 86.2%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 2.8e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

Qy 1 MSPCARAGDAPLRSLSEQANRTREPPFSDVKGDRHLVLAAVETTVLVLIFAVSLGAVNC 60
Db 1 MSPCAQTGTGPGSHHTLDQVNRTHPPFSDVKGDRHLVLSVETTVLGLIFVSLGAVNC 60
Qy 61 ALVAVARRRRRGATACLVNLFCADLFTSAIPLVLAVRWTEAMLGVPACHLLFYVWTL 120
Db 61 ALVAVARRRRRGASASLVNLFCADLFTSAIPLVLAVRWTEAMLGVPACHLLFYVWTL 120
Qy 121 SGSVTILLTAAVSLERWVCIVHLQGVGPGRRARAVLALIKGYSANVALPLCVFPRV 180
Db 121 SGSVTILLTAAVSLERWVCIVLRGRGSGPGRRTOMALAFIWGSALALPLYLFRV 180
Qy 181 PORLPGADOESICTLIWPTIPGEISMDVSFVTNLFVPGVVIYSKIIQITKASRKR 240
Db 181 PORLPGDDELPICTLDMPNRIIGESMDVFETNLFVPGVVIYSKIIQITKASRKR 240
Qy 241 LTVSLAVSRHQIRVSQODFRLFTLFLMVSFFIMSPIDITILLIQNFKODLVIMP 300
Db 241 LTVSLAVSRHQIRVSQODFRLFTLFLMVSFFIMSPIDITILLIQNFKODLVIMP 300
Qy 301 SLFFWVVAFTFANSALNPLINMTLCRNEWKIFCCFFPEPKGALITDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPLINMTLCRNEWKIFCCFFPEPKGALITDTSVKRDLSIIS 360

RESULT 15
US-10-077-698-4
Sequence 4, Application US/10077698
Publication No. US20030008350A1
GENERAL INFORMATION:
APPLICANT: Glucksmann, Maria A.
TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Receptor
FILE REFERENCE: 5800-4B, 035800/177086
CURRENT APPLICATION NUMBER: US/10/077,698
CURRENT FILING DATE: 2002-02-13
PRIOR APPLICATION NUMBER: 09/261,599

; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-10-077-698-4

Query Match 86.2%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 2.8e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

Qy 1 MSPCARAGDAPLRSLSEQANRTREPPFSDVKGDRHLVLAAVETTVLVLIFAVSLGAVNC 60
Db 1 MSPCAQTGTGPGSHHTLDQVNRTHPPFSDVKGDRHLVLSVETTVLGLIFVSLGAVNC 60
Qy 61 ALVAVARRRRRGATACLVNLFCADLFTSAIPLVLAVRWTEAMLGVPACHLLFYVWTL 120
Db 61 ALVAVARRRRRGASASLVNLFCADLFTSAIPLVLAVRWTEAMLGVPACHLLFYVWTL 120
Qy 121 SGSVTILLTAAVSLERWVCIVHLQGVGPGRRARAVLALIKGYSANVALPLCVFPRV 180
Db 121 SGSVTILLTAAVSLERWVCIVLRGRGSGPGRRTOMALAFIWGSALALPLYLFRV 180
Qy 181 PORLPGADOESICTLIWPTIPGEISMDVSFVTNLFVPGVVIYSKIIQITKASRKR 240
Db 181 PORLPGDDELPICTLDMPNRIIGESMDVFETNLFVPGVVIYSKIIQITKASRKR 240
Qy 241 LTVSLAVSRHQIRVSQODFRLFTLFLMVSFFIMSPIDITILLIQNFKODLVIMP 300
Db 241 LTVSLAVSRHQIRVSQODFRLFTLFLMVSFFIMSPIDITILLIQNFKODLVIMP 300
Qy 301 SLFFWVVAFTFANSALNPLINMTLCRNEWKIFCCFFPEPKGALITDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPLINMTLCRNEWKIFCCFFPEPKGALITDTSVKRDLSIIS 360

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Job time : 165 secs

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OM protein - protein search, using sw model

Run on: December 5, 2005, 09:11:28 ; Search time 11 Seconds
(without alignments)
157.144 Million cell updates/sec

Title: US-10-077-698-1

Perfect score: 1846

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Total number of hits satisfying chosen parameters: 26661

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	468	25.4	140	6	US-10-980-388-93
3	259.5	14.1	355	7	US-11-067-884-4
4	230.5	12.5	419	7	US-11-067-884-8
5	225	12.2	417	6	US-10-992-577-44
6	220.5	11.9	432	6	US-10-992-577-2
7	217.5	11.8	350	6	US-10-502-145-1
8	217.5	11.8	415	6	US-10-627-633-2
9	212.5	11.5	430	6	US-10-992-577-8
10	209	11.3	352	7	US-11-067-884-20
11	208.5	11.3	420	6	US-10-992-577-6
12	208.5	11.3	522	6	US-10-510-018-2
13	206.5	11.2	409	6	US-10-627-633-4
14	201	10.9	352	7	US-11-067-884-2
15	200.5	10.9	352	6	US-10-627-633-6
16	189	10.2	342	6	US-10-980-388-118
17	188.5	10.2	340	6	US-10-980-388-117
18	184	10.0	358	6	US-10-980-388-96
19	184	10.0	389	6	US-10-980-388-116
20	170.5	9.2	440	6	US-10-502-893-2
21	164	8.9	353	7	US-11-067-884-6
22	162	8.8	508	6	US-10-980-388-112
23	159.5	8.6	364	7	US-11-067-884-2
24	157	8.5	485	6	US-10-821-234-934
25	156.5	8.5	360	6	US-10-851-667A-26

26	149.5	8.1	337	6	US-10-980-388-115	Sequence 115, App
27	134	7.3	351	7	US-11-067-884-4	Sequence 4, Appli
28	120	6.5	204	6	US-10-980-388-68	Sequence 68, Appl
29	114	6.2	336	6	US-10-980-388-120	Sequence 120, App
30	109	5.9	323	6	US-10-980-388-119	Sequence 119, App
31	105.5	5.7	211	6	US-10-980-388-97	Sequence 97, Appl
32	101	5.5	177	6	US-10-980-388-94	Sequence 94, Appl
33	99.5	5.4	313	7	US-11-095-093-2	Sequence 2, Appli
34	92.5	5.0	801	6	US-10-793-626-2020	Sequence 2020, Ap
35	89.5	4.8	181	6	US-10-980-388-100	Sequence 100, App
36	88.5	4.8	311	6	US-10-980-388-111	Sequence 111, App
37	88.5	4.8	311	6	US-10-980-388-113	Sequence 113, App
38	88.5	4.8	530	6	US-10-980-388-62	Sequence 62, Appl
39	87.5	4.7	928	6	US-10-841-129-4	Sequence 4, Appli
40	86	4.7	264	7	US-11-082-369-282	Sequence 282, App
41	86	4.7	445	7	US-11-102-240-32	Sequence 32, Appl
42	85	4.6	386	7	US-11-055-822-586	Sequence 586, App
43	84	4.6	333	6	US-10-980-388-114	Sequence 114, App
44	84	4.6	339	6	US-10-821-234-1085	Sequence 1085, Ap
45	83	4.5	585	7	US-11-012-762-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-980-388-70
Sequence 70, Application US/10980388
Publication No. US20050255490A1
GENERAL INFORMATION:
APPLICANT: Vogeli, Gabriel
APPLICANT: Parodi, Luis A.
APPLICANT: Hiebsch, Ronald R.
APPLICANT: Lind, Peter
APPLICANT: Kaytee, Paul S.
APPLICANT: Huff, Valerie
APPLICANT: Huff, Rita M.
APPLICANT: Wood, Linda S.
TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
FILE REFERENCE: 00325.US1
CURRENT APPLICATION NUMBER: US/10/980.388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791.932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/217,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
PRIOR FILING DATE: 2000-07-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 70
LENGTH: 356
TYPE: PRT
ORGANISM: Homo sapiens
Query Match 34.0%; Score 628; DB 6; Length 356;
Best Local Similarity 78.8%; Pred. No. 3e+6;

RESULT 4
US-11-067-884-8
Sequence 8, Application US/11067884
Publication No. US20050261252A1
GENERAL INFORMATION:
APPLICANT: Miller, Duane D.
APPLICANT: Tily, Gabor
APPLICANT: Dalton, James T.
APPLICANT: Sarda, Vineet M.
APPLICANT: Elrod, Don B.
APPLICANT: Xu, Huiping
APPLICANT: Baker, Daniel L.
APPLICANT: Wang, Dean
APPLICANT: Lillem, Karoly
APPLICANT: Fischer, David J.
APPLICANT: Vireg, Tamas
APPLICANT: Nusser, Nora
TITLE OF INVENTION: LPA RECEPTOR AGONISTS AND ANTAGONISTS AND METHODS OF
FILE OF INVENTION: USE
FILE REFERENCE: 20609/305
CURRENT APPLICATION NUMBER: US/11/067,884
CURRENT FILING DATE: 2005-02-28
PRIOR APPLICATION NUMBER: 60/190,370
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 09/811,838
PRIOR FILING DATE: 2001-03-19
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 8
LENGTH: 419
TYPE: PRT
ORGANISM: Homo sapiens
US-11-067-884-8

Query Match 12.5%; Score 230.5; DB 7; Length 419;
Best Local Similarity 25.8%; Pred. No. 7e-13;
Matches 80; Conservative 55; Mismatches 134; Indels 41; Gaps 12;

QY 37 LVLAAVETTVLVLIFAVSLGN-VCAVLVARRRRGATACLVNLFQAD-LLFISALPL 94
DB 78 LPLQITTSALIMIFLIFVFLGLNVLVCLMWYQKAMRSAINILASLADMLAVLAMPF 137
QY 95 VLAARWTEAMLGPACH---LLPYVMTLSGVTTLTAASLEHMCITVHLQGRVPRG 151
DB 138 ALVTILTRMIFGKFCRVSAHFVLPVIEG---VAILLISIDFLITV---QRODKLNP 192
QY 152 RRABAVLLALIMGSAVALPLCVF--FRVVPQRLPGADQETISCTLIIMPTIPGEISMDV 209
DB 193 YRAK-VLAIVGSAISFCVAFPLAVGNPDLOIPSRAPQ-----CVFGYTTNPGIQAYVI 244
QY 210 SFTVNLFLVPGLVIVISYKILQITKARKRL-----TVSLAYSESHQIRVSQODF----- 260
DB 245 LISLISFIFPLVILYSFMGLINTLRHNAIRHSYBEGICLSQASKGLMSLQRFQKSI 304
QY 261 -----RLFRFLFLMWVFIFMMSPIITILLILQNKQDVLVPSLF---FVVVATF 311
DB 305 DMGKTRAFETLILFAVFIWCMAFP---TYSLVATPSKFIYYQHNFEISTWLLMWLY 361
QY 312 ANSALNPILY 321
DB 362 LKSAALNPILY 371

RESULT 5
US-10-992-577-44
Sequence 44, Application US/10992577
Publication No. US20050260687A1
GENERAL INFORMATION:
APPLICANT: Gerald, Christophe P. G.
APPLICANT: Jones, Kenneth A.
APPLICANT: Bonini, James A.

APPLICANT: Borowsky, Beth E.
APPLICANT: Craig, Douglas A.
TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
TITLE OF INVENTION: And Uses Thereof
FILE REFERENCE: 57155-D/JPW
CURRENT APPLICATION NUMBER: US/10/992,577
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: US/09/538,036
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 09/405,558
PRIOR FILING DATE: 1999-09-24
PRIOR APPLICATION NUMBER: 09/255,368
PRIOR FILING DATE: 1999-02-22
PRIOR APPLICATION NUMBER: 09/161,113
NUMBER OF SEQ ID NOS: 71
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 44
LENGTH: 417
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-992-577-44

Query Match 12.2%; Score 225; DB 6; Length 417;
Best Local Similarity 23.3%; Pred. No. 2e-12;
Matches 79; Conservative 68; Mismatches 128; Indels 64; Gaps 15;

QY 21 NRTNPPFSDVKGD-----HRLVLAAVETTVLVLIFAVSLGN-VCAVLVARRRRRGA 73
DB 20 NDTQHPWYSDINITYNNYLLHQPHVTAVFISYFLIFLCVGNVTVCFFVIRNRMYMTV 79
QY 74 TACLVNLFQADLPL-ISAIPVLAVRWTEAMLGPACHLLFFVMTLSGVTTLTAAY 132
DB 80 TNFFIFNLASDLVGLVFCMPITLTDNIAGMPGSSCKTSGLVQGSVAASVFTLVAI 139
QY 133 SLERNVCIVHLQGRVGRGPR-----RAAVLALIMGSAVALPLCVFFRVVPQ----- 182
DB 140 AVDFRFRVY-----PFRKLVTKAFVAVIWMGAIITMPSAIMLHVOEKYRV 192
QY 183 RLPQADQETIS--CTLIIMPTIP-GEISMDVSFTVLNPLVPGLVIVISYKILQITKARK 239
DB 193 RLSSHNNKSTVYWKREDDPNOEMRRIYTVVLFATI-YLAPSLIVIMYA----- 240
QY 240 RLTVSLAYSESH-----QIRVSQODFRFLFRFLFLMWVFIFMMSPIITILLILQNK 291
DB 241 RIGASLEKTSASHGKORLEQWHSKKQKVKIKMLLVALLFJLSWLP---WTLMLSD 297
QY 292 FKQ-----DLVWPSLFFVVAFTFANSALNPILY 321
DB 298 YADLSPKMLRVINITYVP-FAHWL---AFCHSSVNPILY 332

RESULT 6
US-10-992-577-2
Sequence 2, Application US/10992577
Publication No. US20050260687A1
GENERAL INFORMATION:
APPLICANT: Gerald, Christophe P. G.
APPLICANT: Jones, Kenneth A.
APPLICANT: Bonini, James A.
APPLICANT: Borowsky, Beth E.
APPLICANT: Craig, Douglas A.
TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
TITLE OF INVENTION: And Uses Thereof
FILE REFERENCE: 57155-D/JPW
CURRENT APPLICATION NUMBER: US/10/992,577
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: US/09/538,036
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 09/405,558
PRIOR FILING DATE: 1999-09-24
PRIOR APPLICATION NUMBER: 09/255,368
PRIOR FILING DATE: 1999-02-22

;; PRIOR APPLICATION NUMBER: 09/161,113
;; PRIOR FILING DATE: 1998-09-25
;; NUMBER OF SEQ ID NOS: 71
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 2
;; LENGTH: 432
;; TYPE: PRN
;; ORGANISM: Rattus norvegicus
US-10-992-577-2

Query Match 11.8%; Score 220.5; DB 6; Length 432;
Best Local Similarity 25.7%; Pred. No. 5e-12;
Matches 89; Conservative 51; Mismatches 152; Indels 51; Gaps 13;

QY 10 GDAPL-----RSLGANTRPFPFSDVKGDHRLVLAAVETTVLVIFAVSLGN--VCALY 63
DB 11 GSNPLGONGSDVETSMATSLTFSSYYO--HSSPVAAMFIAAYVIFLCVAGNLTVCFTIV 68
QY 64 LVARRRRRGATACLVNLFPCADLLF--ISALPLVAVRTEAMLGPVACHLLFYVMTLSG 122
DB 69 L-KRRHRTVTNMTLNLAVSDLVGIFCMPTTLVDNLITGWPFDNATCKMSGLVQMSV 127
QY 123 SVTTLTAAVSLERMCIVHLQKGVKGRP---RAVALALINGYSAAVALPLCVFF 177
DB 128 SASVFTLVAVRFRFCIVH-----PFREKTLIRKALFTIAVIMALLIMCPSAVTL 180
QY 178 RYVPRQ---LPGADQELSI--CTLIMPTIRGETISMDVSFTVNLFLVPGIVIVSYSKIL 231
DB 181 TVTREBHFMIDANRSTPLYSCEAMPEKMKRYAVLVFAHIVLPVLAIVVYRIA 240
QY 232 -QITKARKLTVSLAYSESHQIRVSQODFRLFTLLVMSFPIMSPILITLLI--- 287
DB 241 RKLCQAGPARDTEEAABEG--RTSRRAAVVMVLMVALLFLLSLVPLMLVLLLDYG 298
QY 288 -----LIONFKODLVIPSLFFWVAFTFANSALNPITY 321
DB 299 ELSLQLHLISVAFPLAHW-----LAFHSSANPITY 331

RESULT 7
US-10-502-145-1
;; Sequence 1, Application US/10502145
;; Publication No. US2005024406A1
;; GENERAL INFORMATION:
;; APPLICANT: MACKAY, CHARLES REAY
;; TITLE OF INVENTION: Anti-Csar antibodies and uses thereof
;; FILE REFERENCE: RICE-032
;; CURRENT APPLICATION NUMBER: US/10/502,145
;; CURRENT FILING DATE: 2004-07-19
;; PRIOR APPLICATION NUMBER: USSN 60/350,961
;; PRIOR FILING DATE: 2002-01-25
;; NUMBER OF SEQ ID NOS: 34
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 1
;; LENGTH: 350
;; TYPE: PRN
;; ORGANISM: Homo sapiens
US-10-502-145-1

Query Match 11.8%; Score 217.5; DB 6; Length 350;
Best Local Similarity 23.6%; Pred. No. 7.2e-12;
Matches 83; Conservative 59; Mismatches 123; Indels 87; Gaps 12;

QY 38 VLAAVETTVLVIFAVSLGNVCAVLVARRRRRGATACLVNLFPCADLLFISALPLVL- 96
DB 38 ILALV---IPAVFLVGLGNALVWVYAFPAKRTINAIWFLNLAVADFLSCALPLIFT 94
QY 97 AVRTTEAMLGPVACHLLFYVMTLSGVTITLTAAVSLERMCIVH--LQGVKGRPARA 154
DB 95 SIUVHHHMPFGAAASILPISLLINMYASILLALTISDRFLVFKPWCQNFAGG--L 152
QY 155 RAVLLALINGYSAAVALPLCVFFRVV-----PQRLPGAD-----QELISICTLIWPT 200

DB 153 AMIACAVAGLALLTIP--SFLYRVRESEYFPKPKVLGVYDSDHKRERAVAVRLV--- 208
QY 201 IPEISMDVSFVTLNPLVPLVIVISYKILQITTKASRKRLTVSLAYSESHQIRVSQODF 260
DB 209 -----LGFMLPPLTLTICTFTILRTWSR-----ATRST 238
QY 261 RLFTFLMVSFFIMSPILIT--ILLIIONFKODLVIPSLFFWVAFTFANSALNP 319
DB 239 KTLKVVAVAVASFFIFMLPYQVTGIMMSFLBPSPTFLINKDLSLCVSPAYINCCINPI 298
QY 320 LYNM-----TLCRNEWKKIFCCFWFPEKGAILTTSYKRNLS 357
DB 299 IYVAVAGFGGRKSLPSILRN-----VLTEBSVRESKS 334

RESULT 8
US-10-627-633-2
;; Sequence 2, Application US/10627633
;; Publication No. US20050250720A1
;; GENERAL INFORMATION:
;; APPLICANT: Charless, Andrew David
;; APPLICANT: Hartl, Kevin Anthony
;; TITLE OF INVENTION: Novel Compound
;; FILE REFERENCE: 1991-221
;; CURRENT APPLICATION NUMBER: US/10/627,633
;; CURRENT FILING DATE: 2003-07-28
;; PRIOR APPLICATION NUMBER: 09/722,342
;; PRIOR FILING DATE: 2000-11-28
;; PRIOR APPLICATION NUMBER: 60/172,146
;; PRIOR FILING DATE: 1999-12-17
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 2
;; LENGTH: 415
;; TYPE: PRN
;; ORGANISM: Homo sapiens
US-10-627-633-2

Query Match 11.8%; Score 217.5; DB 6; Length 415;
Best Local Similarity 23.0%; Pred. No. 8.6e-12;
Matches 91; Conservative 72; Mismatches 143; Indels 89; Gaps 21;

QY 5 CARAAGDAPRLSLEQ-----ANRTRPFPFSDVKGDHRLVLAAVETTVLVIFAV--- 53
DB 28 CTETATPLPSQYLMELSEHSMWSNQ-----DLHYVLRKGEVATASIFFGLML 77
QY 54 -SLIGN--VCALVAVARRRGATACLVNLFPCADLLF--ISALPLVAVRTEAMLIGPV 109
DB 78 FSIFGNSLVC-LVIHSRRTOSTTNYFVVMACADLLISVASTPFLVLOFTTGKMTLGS 136
QY 110 ACHLLFYVMTLSGVTITLTAAVSLERMCIVHLQKGVKGRP-----GRBAVALALING 164
DB 137 TCKVRRFYQYLTGQGVLYVLSICIDRFYTYV-----PLSPKSRERAKKIVASWI 189
QY 165 YSAVALPLCVFPRVVPQRLPGADQELISICTLIIMPTIRGETISMDVSFTV-----LNFVLP 219
DB 190 PDAGFVTPVLPFY-----GSNWD-SHCNYELPS-----SHGCTAYTIVHLVGVVIR 235
QY 220 GLVIVIVSYSKILO-----TKASRKRLTVSLAYSESHQIRVSQODFRLFTLLVMSFP 274
DB 236 SVLILFYQVQVIRYIRIGDRTVRRTNMI-----VPRTKVXTIKWFLITNLFL 286
QY 275 IMMSPIITILL--ILLONFKODLVIPSLFFWVAFTFANSALNPILYNM--TLCRREWK 331
DB 287 LSWLPFVAQLMHPHEQDYKSSLVFPAL-TWV---SFSSASAKPPLYSTYMANFRGCMK 342
QY 332 KIFC-----CFWPEKGAILTDS---VKENDISI 358
DB 343 ETCMSSMKCY---RSNAYTITTSRMAKQVYGI 374

RESULT 9

US-10-992-577-8
: Sequence 8, Application US/10992577
: Publication No. US20050260687A1
: GENERAL INFORMATION:
: APPLICANT: Gerald, Christophe P.G.
: APPLICANT: Jones, Kenneth A.
: APPLICANT: Bonini, James A.
: APPLICANT: Borowsky, Beth E.
: APPLICANT: Craig, Douglas A.
: TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
: TITLE OF INVENTION: And Uses Thereof
: FILE REFERENCE: 57155-D/JPW
: CURRENT APPLICATION NUMBER: US/10/992,577
: CURRENT FILING DATE: 2004-11-18
: PRIOR APPLICATION NUMBER: US/09/538,036
: PRIOR FILING DATE: 2000-03-29
: PRIOR APPLICATION NUMBER: 09/405,558
: PRIOR FILING DATE: 1999-09-24
: PRIOR APPLICATION NUMBER: 09/255,368
: PRIOR FILING DATE: 1999-02-22
: PRIOR APPLICATION NUMBER: 09/161,113
: PRIOR FILING DATE: 1998-09-25
: NUMBER OF SEQ ID NOS: 71
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO: 8
: LENGTH: 430
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-992-577-8
Query Match 11.5%; Score 212.5; DB 6; Length 430;
Best Local Similarity 26.7%; Pred. No. 2,3e-11;
Matches 83; Conservative 46; Mismatches 139; Indels 43; Gaps 12;
QY 35 HRLVAAVETTLVLIFAVSLGN--VCAVLVARRRRGATACLVNLCFADLIF-ISA 91
DB HTSPAAAMFIVAAVLIPLCMVGNTLVCFIVL-KRHHHTVTNMFILNLAVSDLVGIFC 96
QY 92 IPIVLAVMTAMLGPAVCHULPFTVMTLSSVTTLTAAVSLERWVCIVHLDGRVRRPG 151
DB 97 MPTLVLDNLITGMPEDNATCKMSGLVQMSVSASVFTLVAIVERFRIVH-----PF 149
QY 152 R-----RAVALILMGYSAAVALPLCVFRVVPOR-----LPGADQESICTLIWPT 200
DB 150 REKILTRALVTIATVIALALIMGPSAVTLVTRREHHFVNDARNSPYLSCEAMPE 209
QY 201 IPGEISMDVSEVTINFLVPGLVIVISYKLIQITKASRRLTV--SLAVSESHQIRVSQ 257
DB 210 KGMRRVVTTLVFSHYLAPLALIVMVARI-----ARKLQAPGAPAGSEADPRASR 263
QY 258 QDFLFRLLPLMLMSFFIMMSPIITILLILIONFKODLVMPSL-FFWVVAFTPA--- 312
DB 264 RRAVVVHMLVNVVALEFTLSMLPLWALLLI---DVGQ--LSAPQLHLVTVAFFPAHMLA 318
QY 313 --NSALNPILY 321
DB 319 FPNSSANPIIY 329
RESULT 10
US-11-068-686-20
: Sequence 20, Application US/11068686
: Publication No. US20050260565A1
: GENERAL INFORMATION:
: APPLICANT: Gray, Patrick W.
: APPLICANT: Schweickart, Vicky L.
: APPLICANT: Report, Carol J.
: TITLE OF INVENTION: Chemokine Receptor Materials and Methods
: TITLE OF INVENTION: And Uses Thereof
: FILE REFERENCE: 57155-D/JPW
: CURRENT APPLICATION NUMBER: US/10/992,577
: CURRENT FILING DATE: 2004-11-18
: PRIOR APPLICATION NUMBER: US/09/538,036

STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/068,686
FILING DATE: 28-Feb-2005
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Noland, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/33670
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-11-068-686-20
Query Match 11.3%; Score 209; DB 7; Length 352;
Best Local Similarity 23.1%; Pred. No. 3.7e-11;
Matches 82; Conservative 59; Mismatches 126; Indels 88; Gaps 16;
QY 49 LIPVLSLGNV-CALVVARRRRGATACLVNLCFADLIFSAIPIVLAVRWTE----A 103
DB 39 LVFIIFGVGNILVLLILINCRKLSMTDIYLNALISDLFLTLVFP-----WAVYAAQ 93
QY 104 WLLPVPVACHU---LFTVMTLSSGVTTLTAAVSLERWVCIVHLDGRVRRRAVALYA 160
DB 94 WDFGNVTCQLTGLTFYGFSGIFFTILL--TIDRYLAIVHAFAL-----KARTVPG 145
QY 161 LI-----WGSAAVALPLCVFRVVPORLPADQESICTLIWPTIGESISW----DVSF 211
DB 146 VVTSVIMVVAVAFSLGLIIFTRSGRGH-----YTCSSHFFYSQYQF-WKRFQTLKM 198
QY 212 VTNLFLVPGLVIVISYKLIQITKASRRLTVSLAVSESHQIRVSQDFLFRLLPLMV 271
DB 199 VILGLVPLVMVICYGILKTLTLCRN-----EKKRHRVRLIFITIMI 242
QY 272 SFFIMSPITITILLILIONF-----KQDLVIMPSLFFWVVAFTFNASALNPI 319
DB 243 VFLMLAPYINVLNLTFOEFGGLNCCSSNRDQAMQVETL-----GMTCCINPI 295
QY 320 LYN-----MTLCRNEMKIF--CCEWF-----PEKGLITDTSVKRNDLSI 358
DB 296 IYAFVGEKFNRYLVLFQKHIAKRFCKCISIFOGEAEPRASSVYTRTSGEISIV 350
RESULT 11
US-10-992-577-6
: Sequence 6, Application US/10992577
: Publication No. US20050260687A1
: GENERAL INFORMATION:
: APPLICANT: Gerald, Christophe P.G.
: APPLICANT: Jones, Kenneth A.
: APPLICANT: Bonini, James A.
: APPLICANT: Borowsky, Beth E.
: APPLICANT: Craig, Douglas A.
: TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
: TITLE OF INVENTION: And Uses Thereof
: FILE REFERENCE: 57155-D/JPW
: CURRENT APPLICATION NUMBER: US/10/992,577
: CURRENT FILING DATE: 2004-11-18
: PRIOR APPLICATION NUMBER: US/09/538,036

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OM protein - protein search, using BW model

Run on: December 5, 2005, 09:26:32 ; Search time 26 Seconds
(without alignments)
1147.920 Million cell updates/sec

Title: US-10-077-698-1
Perfect score: 1846
Sequence: 1 MSPECARAGAPARSLRLEQA.....KGALITDTSVKRNDLSIISG 361

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/1aa/5-COMB.pep: *
2: /cgn2_6/ptodata/1/1aa/6-COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/H-COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/PTTUS-COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/RE-COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/backfilltest.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1846	100.0	361	2	US-09-261-599B-1 Sequence 1, Appli
2	1846	100.0	361	2	US-09-456-455A-1 Sequence 1, Appli
3	1591	86.2	361	2	US-09-261-599B-4 Sequence 4, Appli
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6	1353	73.3	300	2	US-09-261-599B-7 Sequence 7, Appli
7	294	15.9	395	2	US-08-900-230-5 Sequence 5, Appli
8	290	15.7	444	2	US-09-426-290-2 Sequence 2, Appli
9	289	15.7	345	2	US-08-981-700A-5 Sequence 5, Appli
10	289	15.7	346	2	US-09-199-737-5 Sequence 3, Appli
11	289	15.7	346	2	US-08-993-088A-3 Sequence 3, Appli
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15	289	15.7	346	2	US-09-603-680-3 Sequence 3, Appli
16	289	15.7	346	2	US-08-899-112B-30 Sequence 30, Appli
17	289	15.7	346	2	US-09-011-553-7 Sequence 7, Appli
18	289	15.7	444	2	US-09-826-509-551 Sequence 551, App
19	287	15.5	348	2	US-08-513-974B-46 Sequence 46, Appli
20	287	15.5	348	2	US-08-513-974B-342 Sequence 342, App
21	287	15.5	348	2	US-08-993-088A-10 Sequence 10, Appli
22	287	15.5	348	2	US-08-993-424B-10 Sequence 2, Appli
23	287	15.5	348	2	US-08-540-650B-2 Sequence 2, Appli
24	287	15.5	348	2	US-09-595-549-5 Sequence 5, Appli
25	287	15.5	348	2	US-09-461-436B-46 Sequence 46, Appli
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27	286	15.5	349	2	US-08-513-974B-343 Sequence 343, App

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35	271.5	14.7	349	2	US-08-981-700A-6 Sequence 344, App
36	271.5	14.7	351	2	US-08-513-974B-344 Sequence 503, App
37	270.5	14.7	349	2	US-09-826-509-503 Sequence 10, Appli
38	270	14.6	418	1	US-07-816-283-10 Sequence 573, App
39	269	14.6	418	2	US-08-417-103-70 Sequence 573, App
40	269	14.6	418	2	US-09-826-509-573 Sequence 573, App
41	266	14.4	364	2	US-09-826-509-577 Sequence 577, App
42	266	14.4	381	1	US-08-192-288-2 Sequence 2, Appli
43	266	14.4	381	1	US-08-687-355A-2 Sequence 2, Appli
44	266	14.4	381	2	US-09-200-673-16 Sequence 16, Appli
45	266	14.4	381	2	US-08-876-798A-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1									
US-09-261-599B-1									
Sequence 1, Application US/09261599B									
Patent No. 6395877									
GENERAL INFORMATION:									
APPLICANT: Gluckmann, Maria A.									
TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor									
FILE REFERENCE: 5800-4B, 035800/177086									
CURRENT APPLICATION NUMBER: US/09/261,599B									
CURRENT FILING DATE: 1999-02-26									
PRIOR APPLICATION NUMBER: 09/107,761									
PRIOR FILING DATE: 1998-06-30									
PRIOR APPLICATION NUMBER: 09/223,538									
PRIOR FILING DATE: 1998-12-30									
NUMBER OF SEQ ID NOS: 7									
SOFTWARE: Patentin Ver. 2.1									
SEQ ID NO 1									
LENGTH: 361									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-261-599B-1									
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Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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QY	61	ALTVVARRRRGATACVLN	FCADLFI	SAIPVLVVRWTEAWL	GLGVACHLFFYVWTL	120			
DB	61	ALTVVARRRRGATACVLN	FCADLFI	SAIPVLVVRWTEAWL	GLGVACHLFFYVWTL	120			
QY	121	SGSVTITLLA	AVSLERNVCI	HLQRGVGRARRA	AVALLIMWYSAAVALPL	CVFRRV	180		
DB	121	SGSVTITLLA	AVSLERNVCI	HLQRGVGRARRA	AVALLIMWYSAAVALPL	CVFRRV	180		
QY	181	PQRLPGADQDSICT	LLIWPITPG	EISWDVSV	TVTLNPLVPG	LVYISSKIIQITKASKR	240		
DB	181	PQRLPGADQDSICT	LLIWPITPG	EISWDVSV	TVTLNPLVPG	LVYISSKIIQITKASKR	240		
QY	241	LTVSLAVSESHQIR	VSQODRFL	FTFLPLMWSP	FIIMSPIITITLIL	IQNFKODLVMP	300		
DB	241	LTVSLAVSESHQIR	VSQODRFL	FTFLPLMWSP	FIIMSPIITITLIL	IQNFKODLVMP	300		
QY	301	SLTFMVVAFTFP	ANSALNPIL	YNMTLC	ENWKIFCC	FWPEKGA	ILDTSVKRDLSIIS	360	
DB	301	SLTFMVVAFTFP	ANSALNPIL	YNMTLC	ENWKIFCC	FWPEKGA	ILDTSVKRDLSIIS	360	

QY 361 G 361
Db 361 G 361

RESULT 2
US-09-456-455A-1
; Sequence 1, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; APPLICANT: Teai, Fong-Ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: KMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-456-455A-1

Query Match 100.0%; Score 1846; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 2,8e-158;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 ALVIVARRRRRGATACIVNLFCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACIVNLFCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSTYITTLAAVSLERNWCIVHLQGVGGRARRAVLLALINGYSVAALPLCVFRRV 180
Db 121 SGSTYITTLAAVSLERNWCIVHLQGVGGRARRAVLLALINGYSVAALPLCVFRRV 180
QY 181 PORLPGADQESICTLIMPTIPGDISMDVSFVTLNPLVPGIVIVISYKILQITKASRK 240
Db 181 PORLPGADQESICTLIMPTIPGDISMDVSFVTLNPLVPGIVIVISYKILQITKASRK 240
QY 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITITLLILIONFKODLVIWP 300
Db 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITITLLILIONFKODLVIWP 300
QY 301 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCWFPEKGAILTDTSVKRNDSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCWFPEKGAILTDTSVKRNDSIIS 360
QY 361 G 361
Db 361 G 361

RESULT 3
US-09-261-5998-4
; Sequence 4, Application US/092615998
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-48, 035800/117086
; CURRENT APPLICATION NUMBER: US/09/261,5998
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-261-5998-4

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Best Local Similarity 85.8%; Pred. No. 2,5e-135;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

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QY 61 ALVIVARRRRRGATACIVNLFCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACIVNLFCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSTYITTLAAVSLERNWCIVHLQGVGGRARRAVLLALINGYSVAALPLCVFRRV 180
Db 121 SGSTYITTLAAVSLERNWCIVHLQGVGGRARRAVLLALINGYSVAALPLCVFRRV 180
QY 181 PORLPGADQESICTLIMPTIPGDISMDVSFVTLNPLVPGIVIVISYKILQITKASRK 240
Db 181 PORLPGADQESICTLIMPTIPGDISMDVSFVTLNPLVPGIVIVISYKILQITKASRK 240
QY 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITITLLILIONFKODLVIWP 300
Db 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITITLLILIONFKODLVIWP 300
QY 301 SLFFWVVAFTFANSALNPILYNNMTCRNEMKKIFCCWFPEKGAILTDTSVKRNDSIIS 360
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RESULT 4
US-09-456-455A-4
; Sequence 4, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; APPLICANT: Teai, Fong-Ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: KMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-456-455A-4

Query Match 86.2%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 2,5e-135;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPPFSVDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
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QY 61 ALVIVARRRRRGATACIVNLFCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACIVNLFCADLLFISAIPVLAVRWTEAMLGPVACHLLFYVMTL 120

Query 121 SSVITLTLAAVSLERMCIVHLQGVGPGRRARAVLLALIWGYSAAVALPLCVFRRV 180
121 SSVITLTLAAVSLERMCIVRLRGSGPGRRTOALLAFIWGSALAAPLVILFRV 180
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181 PORLPGADOEIPICLIDMPNRIIGEISMDVFFETLNLVGLVIVISYSKILOITASRR 240
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Db 241 TVSLAYESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 300
Query 301 SLFFWVVAFTFANSALNPLVNMTCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
301 SLFFWVVAFTFANSALNPLVNMTCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
Db 301 SLFFWVVAFTFANSALNPLVNMTCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360

RESULT 5
US-09-261-5998-6
Sequence 6, Application US/092615998
Patent No. 6395877

GENERAL INFORMATION:

APPLICANT: Gluckmann, Maria A.

TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor

FILE REFERENCE: 5800-4B, 035800/177086

CURRENT FILING DATE: US/09/261,5998

PRIOR FILING DATE: 1999-02-26

PRIOR APPLICATION NUMBER: 09/107,761

PRIOR FILING DATE: 1998-06-30

PRIOR APPLICATION NUMBER: 09/223,538

PRIOR FILING DATE: 1998-12-30

NUMBER OF SEQ ID NOS: 7

SOFTWARE: Patent Ver. 2.1

SEQ ID NO 6

LENGTH: 300

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: mature polypeptide of 14273

US-09-261-5998-6

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Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
US-09-261-5998-7
Sequence 7, Application US/092615998
Patent No. 6395877
GENERAL INFORMATION:
APPLICANT: Gluckmann, Maria A.

TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
FILE REFERENCE: 5800-4B, 035800/177086
CURRENT APPLICATION NUMBER: US/09/261,5998
CURRENT FILING DATE: 1999-02-26
PRIOR FILING DATE: 09/107,761
PRIOR APPLICATION NUMBER: 09/107,761
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: 09/223,538
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patent Ver. 2.1
SEQ ID NO 7
LENGTH: 300
TYPE: PRT
ORGANISM: Murine ortholog
FEATURE:
OTHER INFORMATION: mature polypeptide of 14273m
US-09-261-5998-7

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RESULT 7
US-08-900-230-5
Sequence 5, Application US/08900230
Patent No. 6329197
GENERAL INFORMATION:
APPLICANT: Bard, Jonathan A.
TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS AND
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of The Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 11036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,230
FILING DATE: 23-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52241-C/JPM/ADM
TELECOMMUNICATION INFORMATION:


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RESULT 10
US-09-199-737-5
; Sequence 5, Application US/09199737A
; Patent No. 6287788
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan A.
; APPLICANT: Borowsky, Beth
; APPLICANT: Smith, Kell E.
; APPLICANT: Branchek, Theresa A.
; APPLICANT: Gerald, Christophe P.G.
; TITLE OF INVENTION: DNA Encoding Galanin GALR3 Receptors And Uses Thereof
; FILE REFERENCE: 52241-D-ECT-US
; CURRENT APPLICATION NUMBER: US/09/199,737A
; CURRENT FILING DATE: 1998-11-25
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 5
; LENGTH: 346
; TYPE: PR1
; ORGANISM: Rat
; US-09-199-737-5

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Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Db 313 KQVFKC 318

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2      STATE:  NJ
3      COUNTRY:  USA
4      ZIP:  07065-0900
5      COMPUTER READABLE FORM:
6      MEDIUM TYPE:  Diskette
7      COMPUTER:  IBM Compatible
8      OPERATING SYSTEM:  Windows
9      SOFTWARE:  PaetSEQ for Windows Version 2.0.bbb
10     CURRENT APPLICATION DATA:
11     APPLICATION NUMBER:  US/08/993, 088A
12     FILING DATE:  18-DEC-1997
13     CLASSIFICATION:  530
14     PRIOR APPLICATION DATA:
15     APPLICATION NUMBER:  600/033, 851
16     FILING DATE:  27-DEC-1996
17     ATTORNEY/AGENT INFORMATION:
18     NAME:  Heber, Sheldon O.
19     REGISTRATION NUMBER:  38,179
20     REFERENCE/DOCKET NUMBER:  19846
21     TELECOMMUNICATION INFORMATION:
22     TELEPHONE:  732-594-1958
23     TELEFAX:  732-594-4720
24     TELEX:
25     INFORMATION FOR SEQ ID NO:  3:
26     SEQUENCE CHARACTERISTICS:
27     LENGTH:  346 amino acids
28     TYPE:  amino acid
29     STRANDEDNESS:  single
30     TOPOLOGY:  linear
31     MOLECULE TYPE:  protein
32     OS-08-993-088A-3

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Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

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Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

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SUMMARIES

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11	1086	62.3	1086	US-10-083-168-11	Sequence 11, Appli
12	1084.4	62.2	1086	US-09-992-331-1	Sequence 1, Appli
13	1084.4	62.2	1086	US-10-083-168-78	Sequence 78, Appli
14	1084.4	62.2	1086	US-10-262-313-1	Sequence 1, Appli
15	1084.4	62.2	1086	US-10-768-878-1	Sequence 1, Appli
16	1082.8	62.1	1086	US-10-083-168-80	Sequence 80, Appli
17	1081.4	62.0	1800	US-10-505-486-134	Sequence 134, App
18	1079.6	61.9	1086	US-09-995-225-7	Sequence 7, Appli
19	1079.6	61.9	1086	US-09-995-225-7	Sequence 7, Appli
20	987	56.6	22059	US-10-719-993-6878	Sequence 6878, Ap
21	987	56.6	32944	US-10-719-993-6878	Sequence 6878, Ap
22	866.2	49.7	1560	US-10-086-181-4	Sequence 4, Appli
23	866.2	49.7	1560	US-10-077-698-5	Sequence 5, Appli

24	866.2	49.7	1560	US-10-171-027-5	Sequence 5, Appli
25	866.2	49.7	1560	US-10-075-987-5	Sequence 5, Appli
26	817.2	46.9	1086	US-10-086-181-6	Sequence 6, Appli
27	603.2	34.6	632	US-09-992-331-4	Sequence 4, Appli
28	603.2	34.6	632	US-10-262-313-4	Sequence 4, Appli
29	603.2	34.6	632	US-10-768-878-4	Sequence 4, Appli
30	595.4	34.2	1066	US-10-017-161-1809	Sequence 1809, Ap
31	595.4	34.2	1066	US-10-292-798-1465	Sequence 1465, Ap
32	587	33.7	3173	US-10-116-252-5	Sequence 5, Appli
33	557.2	32.0	760	US-10-076-555-771	Sequence 771, App
34	557.2	32.0	760	US-10-779-543-771	Sequence 771, App
35	386.4	22.2	388	US-10-276-774-265	Sequence 265, App
36	369.4	21.2	1104	US-09-791-932-10	Sequence 10, Appli
37	300	17.2	300	US-10-779-543-1920	Sequence 1920, Ap
38	296.8	17.0	300	US-10-076-555-45	Sequence 45, Appli
39	296.8	17.0	300	US-10-779-543-45	Sequence 45, Appli
40	293.2	16.8	300	US-10-076-555-46	Sequence 46, Appli
41	293.2	16.8	300	US-10-779-543-46	Sequence 46, Appli
42	276.8	15.9	426	US-09-791-932-33	Sequence 33, Appli
43	243.6	14.0	546025	US-10-719-993-6862	Sequence 6862, Ap
44	243	13.9	125534	US-10-087-192-1678	Sequence 1678, Ap
45	241	13.8	758	US-10-027-632-147795	Sequence 147795,

ALIGNMENTS

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RESULT 1
US-10-086-181-1
; Sequence 1, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; FILE REFERENCE: DISORDERS, INCLUDING OBESITY AND DIABETES
; CURRENT APPLICATION NUMBER: NMI-220
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (44)...(1129)
US-10-086-181-1

Query Match      100.0%; Score 1743; DB 5; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCCGACTAGTTCAGACCCGCTGGCGCCGAGCCCGGGAATGCCCTGATGCG 60
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DB 1 TCCGACTAGTTCAGACCCGCTGGCGCCGAGCCCGGGAATGCCCTGATGCG 60
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QY 61 GCGGCGACGCGGCGACCGCCCTTGGCGAGCTGAGCAAGCAACGCAACCCCTTCC 120
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DB 61 GCGGCGACGCGGCGACCGCCCTTGGCGAGCTGAGCAAGCAACGCAACCCCTTCC 120
    |||

QY 121 CTCTTCCTCCGACTCAAGGCGACCAACGCGCTGCTGGCGCGGTGAGCAACCGT 180
    |||
DB 121 CTCTTCCTCCGACTCAAGGCGACCAACGCGCTGCTGGCGCGGTGAGCAACCGT 180
    |||

QY 181 GCTGCTCTATCTTTGCAAGTGTGCTGGGCAAGTGTGCGCCCTGCTGTGGC 240
    |||
DB 181 GCTGCTCTATCTTTGCAAGTGTGCTGGGCAAGTGTGCGCCCTGCTGTGGC 240
    |||

QY 241 GCGCGACGACGCGCGCGGCGGCACTGCTGCTGTACTCAACTCTTTCGCGGACT 300
    |||
DB 241 GCGCGACGACGCGCGCGGCGGCACTGCTGCTGTACTCAACTCTTTCGCGGACT 300
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QY 301 GCTTTTATATAGGCGTATCCCTCTGCGTGGCGTGGCGGTGAGTCAAGGCGTGGCTGCT 360
Db 301 GCTTTTATATAGGCGTATCCCTCTGCGTGGCGTGGCGGTGAGTCAAGGCGTGGCTGCT 360
QY 361 GGGGCCCCGTTGCGCTGCGACCTGCTCTTCTAGTGTAGACCTTGAGCGGAGCGGTCAAT 420
Db 361 GGGGCCCCGTTGCGCTGCGACCTGCTCTTCTAGTGTAGACCTTGAGCGGAGCGGTCAAT 420
QY 421 CTTACGCTGCGCGCGGTCAAGCTGAGCGCATGCTGTGATCGTGCACCTGCAGCGCG 480
Db 421 CTTACGCTGCGCGCGGTCAAGCTGAGCGCATGCTGTGATCGTGCACCTGCAGCGCG 480
QY 481 CGTGGCGGGGTCTGCGGGGGGGGGGGGGGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCT 540
Db 481 CGTGGCGGGGTCTGCGGGGGGGGGGGGGGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCT 540
QY 541 GGGGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
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Db 601 CGCGGACGAGGAAATTTGATTTGACATGATTTGAGCTTCCGCACTTCCTGAGAGATCTC 660
QY 661 GTGGGATGCTCTTTTGTACTTGAATCTTGTGTGCGAGGACTGCTGCTGCTGCTGCTGCT 720
Db 661 GTGGGATGCTCTTTTGTACTTGAATCTTGTGTGCGAGGACTGCTGCTGCTGCTGCTGCT 720
QY 721 TTAATCCAAATTTTATGATTCACAAAGGATCAAGAGAGGCTCAACGTAAGCTGAGC 780
Db 721 TTAATCCAAATTTTATGATTCACAAAGGATCAAGAGAGGCTCAACGTAAGCTGAGC 780
QY 781 CTACTCGAGAGCCACCAAGATCCGCTGTGCTGCGAGAGCTTCCGCTCTTCCGACCT 840
Db 781 CTACTCGAGAGCCACCAAGATCCGCTGTGCTGCGAGAGCTTCCGCTCTTCCGACCT 840
QY 841 CTTCCTCTGATGCTCTCTTCTGATGATGAGGCGCATCTATCTATCAACCATCTCTCT 900
Db 841 CTTCCTCTGATGCTCTCTTCTGATGATGAGGCGCATCTATCTATCAACCATCTCTCT 900
QY 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTGATCTGCGCTCTCTCTCTCTCTGCT 960
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Db 961 GTGCGCTTCAATTTGCTAACTTCAAGCCCTTAAACCCATCTCTTCAACATGACATGCT 1020
QY 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
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Db 1081 AACAGACATCTGTCAAAAGAAATGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
QY 1141 AGCGGAGTTTCTCAACCTGCGAGCTGCTGCTGCTTAAACAGAGTTCAATTTCCAGT 1200
Db 1141 AGCGGAGTTTCTCAACCTGCGAGCTGCTGCTGCTTAAACAGAGTTCAATTTCCAGT 1200
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QY 1381 GGATCACTGAGGTGAGAGTTGAGACCAACCTGACCAACATGTGTAGACCCCGCTCTC 1440
Db 1381 GGATCACTGAGGTGAGAGTTGAGACCAACCTGACCAACATGTGTAGACCCCGCTCTC 1440
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Db 1501 CTTGGGAGGTGAAACCAAGAAATCTTGAACCTTGGAGGAGAGAGTTGCAATGAGCGC 1560
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Db 1561 AGATCGGCAATGCACTCCAAACGAGGCAACAAAGAGTGAATCTCAATCTTAAATTAAT 1620
QY 1621 AAAAAAAGATTTGATGAGGTTCTTTTAAATGTAACCTTTTAAATGTTGTTTAAATA 1680
Db 1621 AAAAAAAGATTTGATGAGGTTCTTTTAAATGTAACCTTTTAAATGTTGTTTAAATA 1680
QY 1681 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1740
Db 1681 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1740
QY 1741 CGG 1743
Db 1741 CGG 1743

RESULT 2
US-10-077-698-2
; Sequence 2, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Recept:
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-077-698-2

Query Match 100.0%; Score 1743; DB 5; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGGAGTAATTTAGACCGCTGCGGCGCGCCAGGCGCGGAAATGTCCTTGAATGCGC 60
Db 1 TCGGAGTAATTTAGACCGCTGCGGCGCGCCAGGCGCGGAAATGTCCTTGAATGCGC 60
QY 61 GCGGCGAGCGGGGAGCGCGCTTGGCAAGCTGAGCAAGCAACCGCACCGGCTTCC 120
Db 61 GCGGCGAGCGGGGAGCGCGCTTGGCAAGCTGAGCAAGCAACCGCACCGGCTTCC 120
QY 121 CTTCTTCTCCGAGTCAAGGGCGACCAACCGGCTGCTGCGCGCGGTGAGACCAACCGT 180
Db 121 CTTCTTCTCCGAGTCAAGGGCGACCAACCGGCTGCTGCGCGCGGTGAGACCAACCGT 180
QY 181 GCTGAGTCTATCTTTGCAAGTGTGCTGCGCAACGTTGCGCCTGCTGCTGCTGCTGCT 240
Db 181 GCTGAGTCTATCTTTGCAAGTGTGCTGCGCAACGTTGCGCCTGCTGCTGCTGCTGCT 240

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QY 241 GCGCGAGCAGCGCGCGCGAGCTGCGGCTGGTAACAACCTTCTGCGCGGAGCT 300
DB 241 GCGCGAGCAGCGCGCGCGCGAGCTGCGGCTGGTAACAACCTTCTGCGCGGAGCT 300
QY 301 GCTCTTCAACAGCGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB 301 GCTCTTCAACAGCGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
QY 361 GGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 361 GGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
QY 421 CCTCAGCTGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
DB 421 CCTCAGCTGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
QY 481 CGTGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
DB 481 CGTGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
QY 541 GCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
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DB 661 GTGGAGTGTCTTTTGTATTTGATTTGCACTGATTTGGCCCACTTCTGGAAGATCT 720
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DB 781 CTACTCGAGAGCCAGGATCGCGGTGTCCAGAGAGACTTCCGGCTCTTCCGCAACCT 840
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DB 841 CTCTCTCTCAATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
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DB 901 CATCTGATCCAGAACTTCAAGCAAGACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
QY 961 GGTGGCTTCACTTTGCTATTTGAGCCCTAACCCTTCTCTCAACAAGCACTGCTG 1020
DB 961 GGTGGCTTCACTTTGCTATTTGAGCCCTAACCCTTCTCTCAACAAGCACTGCTG 1020
QY 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
DB 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
QY 1081 AACGACACATCTGTCAAAAGAAATGATTTGCTGATTTTCTGCTGATTTTCTTAT 1140
DB 1081 AACGACACATCTGTCAAAAGAAATGATTTGCTGATTTTCTGCTGATTTTCTTAT 1140
QY 1141 AGCGAGTGTCTCACTGCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
DB 1141 AGCGAGTGTCTCACTGCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
QY 1201 ACCCTCATCAGTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
DB 1201 ACCCTCATCAGTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
QY 1261 GTGGTAAATTAAGGGGTGATCAACAAGTTTCAATTAATTTTCTTATTAAGAAATTT 1320
DB 1261 GTGGTAAATTAAGGGGTGATCAACAAGTTTCAATTAATTTTCTTATTAAGAAATTT 1320
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QY 1321 GTGGCGAGGTCAGTGTCTATGCTGCTATCCAGAGCTTTGGGAGGCTGAGGTGGT 1380
DB 1321 GTGGCGAGGTCAGTGTCTATGCTGCTATCCAGAGCTTTGGGAGGCTGAGGTGGT 1380
QY 1381 GGATCAGCTGAGTCAAGAGTTCAGAGCAACCACTGACCAAGATGAGAGAGAGAGAG 1440
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DB 1621 AAAAAAAGATTTGATTTGAGGTTCTTTTAAATGTGAACCTTTTATGTTGATATA 1680
QY 1681 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1740
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QY 1741 CGG 1743
DB 1741 CGG 1743
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RESULT 3

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US-10-171-027-2
; Sequence 2, Application US/10171027
; Publication No. US20030073168A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recept
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/10/171,027
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US/09/456,455
; PRIOR FILING DATE: 1999-12-08
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-171-027-2
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Query Match 100.0%; Score 1743; DB 5; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 TCCGAGTATTTCTGAGCCGCTGCGGCGCGCGAGGCGCGGGAATGCTCCCTGAATGCGC 60
QY 61 GCGGCGAGCGGCGAGCGCGCTTGGCGAGCTTGAGCAAGCAACGCAACCGCGCTTTC 120
DB 61 GCGGCGAGCGGCGAGCGCGCTTGGCGAGCTTGAGCAAGCAACGCAACCGCGCTTTC 120
QY 121 CTCTCTCTCCGAGTCAAGGCGAGCAACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
DB 121 CTCTCTCTCCGAGTCAAGGCGAGCAACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
QY 181 GCTGCTCATCTTTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
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Db 181 GCTGGTGCATCTTTGSCAATGTCGCTGGGGAAGTGTGGCCCTGGTGTGGGCT 240
Qy 241 GCGCCGACGAGCGCGCGCGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
Db 241 GCGCCGACGAGCGCGCGCGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
Qy 301 GCTCTTCATGAGGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Db 301 GCTCTTCATGAGGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Qy 361 GGGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Db 361 GGGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
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Db 421 CTTGACGCTGCGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
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Db 541 GGGGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
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Db 601 GCGCGACGAGAAATTTGCAATTTGCACTGATTTGCGCCCACTTCTTGGAGATCTC 660
Qy 661 GTGGGATGCTCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 720
Db 661 GTGGGATGCTCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 720
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Db 721 TTAATCCAAATTTTACAGATCAACAAGGATCAAGGAGAGGCTCAAGGTAAGCTGGC 780
Qy 781 CTACTCGGAGAGCCACAGATCCGCGTGTCCAGACAGATCTTCCGCTCTTCCGACCT 840
Db 781 CTACTCGGAGAGCCACAGATCCGCGTGTCCAGACAGATCTTCCGCTCTTCCGACCT 840
Qy 841 CTTCTCTCATGCT 900
Db 841 CTTCTCTCATGCT 900
Qy 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Qy 961 GGTGGCTTCAATTTGCTAATTTGCTAATTTGCTAATTTGCTAATTTGCTAATTTGCT 1020
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Qy 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Qy 1081 AACAGACATCTGCTCAAAAGAAATGATTTGCTGCTAATTTGCTGCTAATTTTCTTAT 1140
Db 1081 AACAGACATCTGCTCAAAAGAAATGATTTGCTGCTAATTTGCTGCTAATTTTCTTAT 1140
Qy 1141 AGCGGAGTTTCTCACTGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db 1141 AGCGGAGTTTCTCACTGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Qy 1201 ACCCTCATGAGTGAAGGCTGCTTAAAGAAATGAACTATGAAATGAAATGAAATGAA 1260
Db 1201 ACCCTCATGAGTGAAGGCTGCTTAAAGAAATGAACTATGAAATGAAATGAAATGAA 1260
Qy 1261 GTGGTAAATTAAGGGTGAATCAAGATTTTCAATTAATTTTCCCTTATTAAGGATTT 1320
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Db 1261 GTGGTAAATTAAGGGTGAATCAAGATTTTCAATTAATTTTCCCTTATTAAGGATTT 1320
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Db 1321 GTGGTAAATTAAGGGTGAATCAAGATTTTCAATTAATTTTCCCTTATTAAGGATTT 1380
Qy 1381 GATGACCTGAGGTCAGAGGTTGAGACCAAGCTGACCAAGATGAGAGACCCCGCTCTC 1440
Db 1381 GATGACCTGAGGTCAGAGGTTGAGACCAAGCTGACCAAGATGAGAGACCCCGCTCTC 1440
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Qy 1741 CGG 1743
Db 1741 CGG 1743

RESULT 4
US-10-075-987-2
; Sequence 2, Application US/10075987
; Publication No. US20030166061A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/075,987
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-075-987-2

Query Match 100.0%; Score 1743; DB 6; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 TCCGAGTAAATTTAGACGCTGCGGCGCCAGGCGCCGGGAATGTCCTTGAATGCGC 60
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Db 61 GCGGAGCGGCGAGCGCGCTTGGCGAGCTTGAAGCAAGCAAGCGCAAGCGCTTTCC 120
Qy 121 CTTCTTCTCGAGGTCAAGGCGCAAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
Db 121 CTTCTTCTCGAGGTCAAGGCGCAAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180

OY	181	GCTGGTGTCAATCTTTGAGAGTGTGCTGTGGGCAACGATGTCGGCTGTGTGTGAGC	240
OY	181	GCTGGTGTCAATCTTTGAGAGTGTGCTGTGGGCAACGATGTCGGCTGTGTGTGAGC	240
DB	181	GCTGGTGTCAATCTTTGAGAGTGTGCTGTGGGCAACGATGTCGGCTGTGTGTGAGC	240
OY	241	GCGCGGACGACGCGCGCGGCGGACCTGCGCTGTGACTCAACCTCTTCTGCGCGGACCT	300
DB	241	GCGCGGACGACGCGCGCGGCGGACCTGCGCTGTGACTCAACCTCTTCTGCGCGGACCT	300
OY	301	GCTCTTCAATCAGCGCTATTCCTCTGTGTGTGGCCGTGTGACTGAGACTGTGGCTGTCT	360
DB	301	GCTCTTCAATCAGCGCTATTCCTCTGTGTGTGGCCGTGTGACTGAGACTGTGGCTGTCT	360
OY	361	GGGCGCCGCTGTGCTGCGCACTGTGCTCTTGTACGTGATGACCCGTGACGGGACGTACCAT	420
DB	361	GGGCGCCGCTGTGCTGCGCACTGTGCTCTTGTACGTGATGACCCGTGACGGGACGTACCAT	420
OY	421	CCTCAACGTGTGCGCGGCTGACCTGTGAGCGCATGTGTGTCATCTGTGACCTTGACGCGG	480
DB	421	CCTCAACGTGTGCGCGGCTGACCTGTGAGCGCATGTGTGTCATCTGTGACCTTGACGCGG	480
OY	481	CGTGTGCGGAGTCTGTGGGCGGCGGCGCGGACGTGTGCTGTGCGCTCAATCTGTGGGCTATTC	540
DB	481	CGTGTGCGGAGTCTGTGGGCGGCGGCGCGGACGTGTGCTGTGCGGCTCAATCTGTGGGCTATTC	540
OY	541	GGCGGTCCCGCTGTGCTCTGTGTGTGTCTTGTGAGTGTGTCCCGGCAACGGCTTCCCGG	600
DB	541	GGCGGTCCCGCTGTGCTCTGTGTGTGTCTTGTGAGTGTGTCCCGGCAACGGCTTCCCGG	600
OY	601	CGCCGACACGAGAAATTTGCAATTTGACACTGATTTTGGGCGCACATCTCTGTGAGAGATCTC	660
DB	601	CGCCGACACGAGAAATTTGCAATTTGACACTGATTTTGGGCGCACATCTCTGTGAGAGATCTC	660
OY	661	GTGGAGTGTCTTCTTGTGTACTTGTGAACTTCTGTGTGCACAGACTGTCAATTTGTGATCAG	720
DB	661	GTGGAGTGTCTTCTTGTGTACTTGTGAACTTCTGTGTGTGCACAGACTGTCAATTTGTGATCAG	720
OY	721	TTACTCTCCAAATTTTACAGATCACAAAGGCATCAAGAAAGGCTCAAGGTAAAGCTGTGGC	780
DB	721	TTACTCTCCAAATTTTACAGATCACAAAGGCATCAAGAAAGGCTCAAGGTAAAGCTGTGGC	780
OY	781	CTACTCGGAGAGCCACAGATCCGGGTGTCCAGAGAGACTTCCGGGCTCTTCCGACCT	840
DB	781	CTACTCGGAGAGCCACAGATCCGGGTGTCCAGAGAGACTTCCGGGCTCTTCCGACCT	840
OY	841	CTTCTCTCTCATGTGTCTCTTCTTGTATGATGTGAGCCCATCATCATCACATCTCTCT	900
DB	841	CTTCTCTCTCATGTGTCTCTTCTTGTATGATGTGAGCCCATCATCATCACATCTCTCT	900
OY	901	CATCTGTATCCAGAACTTCAAGCAAGACTGTGTCAATCTGGCCGTCTCTTCTTCTGGGT	960
DB	901	CATCTGTATCCAGAACTTCAAGCAAGACTGTGTCAATCTGGCCGTCTCTTCTTCTGGGT	960
OY	961	GTGGCCCTTCACTTTGTGCTAATTCAGCCCTAAACCCCATCTCTTACACATGACACTGTG	1020
DB	961	GTGGCCCTTCACTTTGTGCTAATTCAGCCCTAAACCCCATCTCTTACACATGACACTGTG	1020
OY	1021	CAGGATAGTGAAGAAATTTTGTGCTCTTGTGTCTCCAGAAAGGAGCCATTTT	1080
DB	1021	CAGGATAGTGAAGAAATTTTGTGCTCTTGTGTCTCCAGAAAGGAGCCATTTT	1080
OY	1081	AACAGACACATCTGTCAAAAGAAATGACTGTGCTAATTTCTGTGCTAATTTTCTTTAT	1140
DB	1081	AACAGACACATCTGTCAAAAGAAATGACTGTGCTAATTTCTGTGCTAATTTTCTTTAT	1140
OY	1141	AGCCGAGTTTCTCAACCTGTGGAGCTGTGGATGCTTTTAAACGAGATTCAATTCACGT	1200
DB	1141	AGCCGAGTTTCTCAACCTGTGGAGCTGTGGATGCTTTTAAACGAGATTCAATTCACGT	1200
OY	1201	ACCTCTCATAGTGCACCTGTCTTTAAAGAAATGAACCTATGACAAATGACATCCACAGC	1260
DB	1201	ACCTCTCATAGTGCACCTGTCTTTAAAGAAATGAACCTATGACAAATGACATCCACAGC	1260
OY	1261	GTGGTAATTAAGGGGTGATCACCAAGTTTCAATATATTTTCCCTTATATAAGATTT	1320

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Db      1261  GTGGTAATTAAGGGGATGATCCAGATTTCATATATTTTCCCTTTATTAAGGATTT 1320
QY      1321  GTTGCCAGGTGCAAGTGGTTATGCTCTGTAAATCCAGAGATTTGGAGGCTAGGTGGGT 1380
Db      1321  GTTGGCCAGGTGCAAGTGGTTATGCTCTGTAAATCCAGAGATTTGGAGGCTAGGTGGGT 1380
QY      1381  GGATCACTTGAGGTGACAGAGATTCCAGACCACTGACCAACATGGTGAGACCCCGCTTC 1440
Db      1381  GGATCACTTGAGGTGACAGAGATTCCAGACCACTGACCAACATGGTGAGACCCCGCTTC 1440
QY      1441  TACTAAAAATTAATAAAATTTAGCTGGAGTGGTGGGACCTGTAAATCTTAGCTA 1500
Db      1441  TACTAAAAATTAATAAAATTTAGCTGGAGTGGTGGGACCTGTAAATCTTAGCTA 1500
QY      1501  CTTGGAGAGCTGAAACCAAGAGATCTCTGAAACCTGGAGGAGAGGTTGACGTAGCCG 1560
Db      1501  CTTGGAGAGCTGAAACCAAGAGATCTCTGAAACCTGGAGGAGAGGTTGACGTAGCCG 1560
QY      1561  AGATGCTGCCATTGCACTCCAAACGAGGCAACAGAGTGAATCTCATCTTTAAAAAAA 1620
Db      1561  AGATGCTGCCATTGCACTCCAAACGAGGCAACAGAGTGAATCTCATCTTTAAAAAAA 1620
QY      1621  AAAAAAAGATTTGTTATGGGTTCTTTTAATGGAATTTTATGATGTTTGTAAATA 1680
Db      1621  AAAAAAAGATTTGTTATGGGTTCTTTTAATGGAATTTTATGATGTTTGTAAATA 1680
QY      1681  TGATCAATTTAATTAATTTATTTATGATGCTGTCAGCAAAAAAAAAAAAAAAAAGGG 1740
Db      1681  TGATCAATTTAATTAATTTATTTATGATGCTGTCAGCAAAAAAAAAAAAAAAAAGGG 1740
QY      1741  CGG 1743
Db      1741  CGG 1743

RESULT 5
US-10-225-567A-681
; Sequence 681, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenn C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225, 567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 681
; LENGTH: 1737
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-225-567A-681

Query Match      95.3%; Score 1661.8; DB 5; Length 1737;
Best Local Similarity 98.6%; Pred. No. 0;
Matches 1718; Conservative 1; Mismatches 18; Indels 6; Gaps 4;

QY      1  TCCGGACTAGTTCTAGACCCGCTGGGGGCGGCAGGCGCGGGGAATGTCCCGTAATGGC 60
Db      1  TCCGGACTAGTTCTAGACCCGCTGGGGGCGGCAGGCGCGGGGAATGTCCCGTAATGGC 60
QY      61  GCGGGCAGCGGGCAGCGCCCTTGCGCAGCTCTGAGCAACCAACGCAACCGGCTTTCC 120
Db      61  GCGGGCAGCGGGCAGCGCCCTTGCGCAGCTCTGAGCAACCAACGCAACCGGCTTTCC 120
QY      121  CTTCTTCTCGACGTCAGGGCGAACCAACCGGCTGGTGCTGGCCGCGGTGAGACAAACGT 180
Db      121  CTTCTTCTCGACGTCAGGGCGAACCAACCGGCTGGTGCTGGCCGCGGTGAGACAAACGT 180

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518 CTGGGCTCATCTGGGCTATTCCGGGCGGCGCGCTGCGCTCTGGGCTCTTTTGA 577
181 CTGGGCTCATCTGGGCTATTCCGGGCGGCGCGCTGCGCTCTGGGCTCTTTTGA 240
578 GTGCTCCGCAACGGCTCCCGCGCGCGCAACAGAAATTCGATTTGACACTGATTTGG 637
241 GTGCTCCGCAACGGCTCCCGCGCGCGCAACAGAAATTTGATTTGACACTGATTTGG 300
638 CCCACCATCTCTGGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 697
301 CCAGCATCTCTCGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 360
698 CCAGCATCTCTCGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 757
361 CCAGCATCTCTCGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 420
758 AAGAGGCTCAGGTAAGCTGGCTACTCGGAGAGACCAAGATCCGCTGCTCCAGAG 817
421 AAGAGGCTCAGGTAAGCTGGCTACTCGGAGAGACCAAGATCCGCTGCTCCAGAG 480
818 GACTTCCGGCTCTTCCGCAACCTCTCTCTCATGCTCTCTTCTTCTTCAATGAGAGC 877
481 GACTTCCGGCTCTTCCGCAACCTCTCTCTCATGCTCTCTTCTTCTTCAATGAGAGC 540
878 CCCATCATCATCACCCT 937
541 CCCATCATCATCACCCT 600
938 TGGCGCT 997
601 TGGCGCT 660
998 ATCTCTTCAACATGACACTGTGAGAGATGAGAGAAATTTTGTCTCTCTCTCTCT 1057
661 ATCTCTTCAACATGACACTGTGAGAGATGAGAGAAATTTTGTCTCTCTCTCTCT 720
1058 TTCCAGAAAAGGAGGCAATTTTAAAGACATCTGTCAAAAGAAATGACTGTGCTG 1117
721 TTCCAGAAAAGGAGGCAATTTTAAAGACATCTGTCAAAAGAAATGACTGTGCTG 780
1118 ATTTCTGCTAATTTTCTTTAATAGCCAGATTTCTCAGACTGGGAGCTGTGAGATCT 1177
781 ATTTCTGCTAATTTTCTTTAATAGCCAGATTTCTCAGACTGGGAGCTGTGAGATCT 839
1178 TTTTAAACAGAGTTCTTTTCCAGTACCTCTCAGTGCACCTGCTTTAAGAAATGAC 1237
840 TTTTAAACAGAGTTCTTTTCCAGTACCTCTCAGTGCACCTGCTTTAAGAAATGAC 899
1238 CTATGCAATAGACATCCAGACGCTCGGTAATTTAAGGGGTGATCAACCAATTTCTAT 1297
900 CTATGCAATAGACATCCAGACGCTCGGTAATTTAAGGGGTGATCAACCAATTTCTAT 959
1298 ATTTTCCCTTATATAAGATTTTGTGGCCAGTGCAGTGTCTATGCTGTATATCCAG 1357
960 ATTTTCCCTTATATAAGATTTTGTGGCCAGTGCAGTGTCTATGCTGTATATCCAG 1019
1358 CAGTTTGGAGGCTGAGGTGGGTGATCACTGAGTGCAGGAGTTTGCAGCAACTGAC 1417
1020 CAGTTTGGAGGCTGAGGTGGGTGATCACTGAGTGCAGGAGTTTGCAGCAACTGAC 1076
1418 CAAATAGTGAAGACCCCGCTCTCTAATAAATAAATAAATAAATAAATAAATAAATAA 1477
1077 CAAATAGTGAAGACCCCGCTCTCTAATAAATAAATAAATAAATAAATAAATAAATAA 1136
1478 GTGGGCACTGTGTAATCTTGAAGTCTTGGAGGCTGAAACAGAGAAATCTTGAACCTG 1537
1137 GTGGGCACTGTGTAATCTTGAAGTCTTGGAGGCTGAAACAGAGAAATCTTGAACCTG 1196
1538 GAGGCAAGGTTGCAAGTGAAGCCGAGATCTGCAATGCACTGCAACAGGCAACAAAG 1597
1197 GAGGCAAGGTTGCAAGTGAAGCCGAGATCTGCAATGCACTGCAACAGGCAACAAAG 1256

1598 TGAACCTCATCTTAAAAAAGATTTGTTATGGGTTCTTTAAATGGA 1657
1257 TGAACCTCATCTTAAAAAAGATTTGTTATGGGTTCTTTAAATGGA 1315
1658 ACTTTTATGTTGTTTGTAAATATGATCAAAATTTAATAATTTATTTATGACTGTTCA 1717
1316 ACTTTTATGTTGTTTGTATGATCAAAATTTAATAATTTATTTATGACTGTTCA 1374
1718 GCAAAAAAAGGCGCG 1743
1375 GCAAAAAAAGGCGCG 1400

RESULT 7
US-11-060-756-6157
; Sequence 6157, Application US/11060756
; Publication No. US20050221354A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mount, William Martin
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
; FILE REFERENCE: AM101083 (031896-042000)
; CURRENT APPLICATION NUMBER: US/11/060,756
; CURRENT FILING DATE: 2005-02-18
; NUMBER OF SEQ ID NOS: 303284
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6157
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-060-756-6157

Query Match 76.0%; Score 1324.8; DB 10; Length 1400;
Best Local Similarity 98.2%; Pred. No. 0;
Matches 1381; Conservative 1; Mismatches 18; Indels 6; Gaps 4;

338 CGCTGAGTGAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 397
1 CGCTGAGTGAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60
398 ACCGTGAGCGGACGTCACCATCTCAGCTGAGCGGCGGTCAGCTGAGAGCATGATG 457
61 ACCGTGAGCGGACGTCACCATCTCAGCTGAGCGGCGGTCAGCTGAGAGCATGATG 120
458 TGCATCTGTGCACTGTGAGCGGCGGTCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 517
121 RGCAATCGKGCACCTGTGAGCGGCGGTCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
518 CTGGCGCTCATCTGGGCTATTTCCGCGGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTG 577
181 CTGGCGCTCATCTGGGCTATTTCCGCGGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTG 240
578 GTGCTCCGCAACGGCTCCCGCGCGCGCAACAGAAATTTGATTTGACACTGATTTGG 637
241 GTGCTCCGCAACGGCTCCCGCGCGCGCAACAGAAATTTGATTTGACACTGATTTGG 300
638 CCCACCATCTCTGGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 697
301 CCCACCATCTCTGGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 360
698 CCAGCATCTCTCGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 757
361 CCAGCATCTCTCGAGAGATCTCGTGGGATGCTCTTTTGTACTTTGAATCTTGGTG 420
758 AAGAGGCTCAGGTAAGCTGGCTACTCGGAGAGACCAAGATCCGCTGCTCCAGAG 817
421 AAGAGGCTCAGGTAAGCTGGCTACTCGGAGAGACCAAGATCCGCTGCTCCAGAG 480
818 GACTTCCGGCTCTTCCGCAACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 877
481 GACTTCCGGCTCTTCCGCAACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 540

Oy	795	ACGAGATCCGGGTGTCACGAGAGAGACTCCGGCTCTTCGGACACCTCTTCTCTCAATGG	854
Db	781	ACGAGATCCGGGTGTCACGAGAGAGACTCCGGCTCTTCGGACACCTCTTCTCTCAATGG	840
Oy	855	TCTCTTCTTCATCATGTGAGAGCCCATCATCATCAGCATCTCCTCATCTGATCCAGA	914
Db	841	TCTCTTCTTCATCATGTGAGAGCCCATCATCATCAGCATCTCCTCATCTGATCCAGA	900
Oy	915	ACTTCAGCAAGACTGGTCACTGGCCGCTCCCTCTTCTTGGGTGGGCTTTCACAT	974
Db	901	ACTTCAGCAAGACTGGTCACTGGCCGCTCCCTCTTCTTGGGTGGGCTTTCACAT	960
Oy	975	TTGCTAATTGAGCCCTTAACCCCATCCCTCTTCAACATGACATGTGACAGAAATAGTGA	1034
Db	961	TTGCTAATTGAGCCCTTAACCCCATCCCTCTTCAACATGACATGTGACAGAAATAGTGA	1020
Oy	1035	AGAAATATTTTGTGCTGCTTGTGTTCCGAGAAAAGGAGCCATTTTAAAGACACATCTG	1094
Db	1021	AGAAATATTTTGTGCTGCTTGTGTTCCGAGAAAAGGAGCCATTTTAAAGACACATCTG	1080
Oy	1095	TCAAAGAATGACTTGTGATTAATTTCTGGCTAATTTTCTTTATAGCCGAGTTTCTCA	1154
Db	1081	TCAAAGAATGACTTGTGATTAATTTCTGGCTAATTTTCTTTATAGCAAGTTTCTCA	1140
Oy	1155	CACCTGGGAGCTGTGGCATGCTTTTAAACAGATTCATTCCAGTACCTTCATCACT	1213
Db	1141	CACCTGGGAGCTGTGGCATGCTTTTAAACAGATTCATTCCAGTACCTTCATCACT	1200
Oy	1214	GCACCCGTCTTAAAGAAAATGACCTATGACAAATAGACATCCACAGGCTGGGTAAATTA	1273
Db	1201	GCACCCGTCTTAAAGAAAATGACCTATGACAAATAGACATCCACAGGCTGGGTAAATTA	1260
Oy	1274	GGGGTGATCACCAAGTTTCATTAATATTTTCCCTTATTAAGATTTGTTGGCCAGGTGC	1333
Db	1261	GGGGTGATCACCAAGTTTCATTAATATTTTCCCTTATTAAGATTTGTTGGCCAGGTGC	1320
Oy	1334	A 1334	
Db	1321	A 1321	

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RESULT 9
US-10-015-498-1
? Sequence 1, Application US/10015498
? Publication No. US20020151705A1
? GENERAL INFORMATION:
? APPLICANT: Smith, Kelli E.
? APPLICANT: Quan, Yong
? TITLE OF INVENTION: DNA Encoding Orphan SNORF49 Receptor
? FILE REFERENCE: 60134
? CURRENT APPLICATION NUMBER: US/10/015.498
? CURRENT FILING DATE: 2001-12-11
? PRIOR APPLICATION NUMBER: US/09/412.933
? PRIOR FILING DATE: 1999-10-05
? NUMBER OF SEQ ID NOS: 2
? SOFTWARE: PatentIn Ver. 2.0 - beta
? SEQ ID NO 1
? LENGTH: 1160
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-10-015-498-1

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Query Match	66.5%	Score 1158.4	DB 5	Length 1160
Best Local Similarity	99.9%	Pred. No. 3.7e-275		
Matches 1159	Conservative 0	Mismatches 1	Indels 0	Gaps 0
QY	17	ACCGCTGCGGCGCCCGCGGAAATGTCCTCTGAATGCGCGCGGCAAGCGGCGAC	76	
Db	1	ACCGCTGCGGCGCCCGCGGAAATGTCCTCTGAATGCGCGCGGCGGAC	60	
QY	77	GCGGCTTTGCGCAAGCTTGAGCAAGCAACCGACCGGCTTTCCTTCTTCGAGGTC	136	
Db	61	GCGGCTTTGCGCAAGCTTGAGCAAGCAACCGACCGGCTTTCCTTCTTCGAGGTC	120	

QY	137	AAGGCGACACACCGCGCTGGTCTGGCCGCGGGGAGAGAACACCGTCTGGTCTCATCTTT	196
Db	121	AAGGCGACACACCGCTGGTCTGGCCGCGGGGAGAGAACACCGTCTGGTCTCATCTTT	180
QY	197	GCAGTGTGCTGTGCGGAGCACTGTGCGCCCTGTGTGTGTGTGCGCGCGAGACGCGCGC	256
Db	181	GCAGTGTGCTGTGTGGGCAACGTGTGGCCCTGTGTGTGTGTGTGGCGCGAGACGCGCGC	240
QY	257	GGCGGATGCGCTGCTGGTACTCAACCTTTCTGTGCGGAGACTGTCTTTTATAGCGCT	316
Db	241	GGCGGATGCGCTGCTGGTACTCAACCTTTCTGTGCGGAGACTGTCTTTTATAGCGCT	300
QY	317	ATCCCTGTGTGCTGGCGCTGCGCTGAGACTGAGGCTGTGCTGTGGGCCCGTATCTGTG	376
Db	301	ATCCCTGTGTGCTGGCGCTGCGCTGAGACTGAGGCTGTGCTGTGGGCCCGTATCTGTG	360
QY	377	CACCTGCTCTTCTAGTGATGACCCCTGAGCGGACAGCGTACCATCTGACGCTGGCGCG	436
Db	361	CACCTGCTCTTCTAGTGATGACCCCTGAGCGGACAGCGTACCATCTGACGCTGGCGCG	420
QY	437	GTCAGCCGTGAGGCCATGTGTGTGATGTGTGACCTGTGAGCGCGCGGTGTGCTGTGG	496
Db	421	GTCAGCCGTGAGGCCATGTGTGTGATGTGTGACCTGTGAGCGCGCGGTGTGCTGTGG	480
QY	497	CGGCGGGCGCGGGAGTGTCTGTGACGCTCATCTGTGGGCTTATTGCGCGGTGTGCTGTG	556
Db	481	CGGCGGGCGCGGGAGTGTCTGTGACGCTCATCTGTGGGCTTATTGCGCGGTGTGCTGTG	540
QY	557	CCTCTGTGCGTCTTCTTTCAGTGTGTCCCGAGAGGCTCTCCCGCGCGCGACCGAATAAT	616
Db	541	CCTCTGTGCGTCTTCTTTCAGTGTGTCCCGAGAGGCTCTCCCGCGCGCGACCGAATAAT	600
QY	617	TGCAATTTGCACTGATTTGTGGCCACCATCTCTGTGAAGATCTGTGGGATGTCTCTTT	676
Db	601	TGCAATTTGCACTGATTTGTGGCCACCATCTCTGTGAAGATCTGTGGGATGTCTCTTT	660
QY	677	GTTACTTTGAACCTTCTGTGTCCAGAGACTGTGTATGTGATCAGTTACTGCCAAATTTTA	736
Db	661	GTTACTTTGAACCTTCTGTGTCCAGAGACTGTGTATGTGATCAGTTACTGCCAAATTTTA	720
QY	737	CAGATTCACAAAGGATCAAGSAAAGGCTCAAGGTAAAGCCTGGCTACTCGSAGAGCCAC	796
Db	721	CAGATTCACAAAGGATCAAGSAAAGGCTCAAGGTAAAGCCTGGCTACTCGSAGAGCCAC	780
QY	797	CAGATCCGCGTGTCCAGACAGAGACTTCGCGCTCTTCGCAACCTCTTCTCTCATGTGT	856
Db	781	CAGATCCGCGTGTCCAGACAGAGACTTCGCGCTCTTCGCAACCTCTTCTCTCATGTGT	840
QY	857	TCTTTCTTCATCATGTGTGAGGCCCATCATCATCAACATCTCTGTATCTGTATCCAGAAC	916
Db	841	TCTTTCTTCATCATGTGTGAGGCCCATCATCATCAACATCTCTGTATCTGTATCCAGAAC	900
QY	917	TTCAAGCAAGACCTGTGCATCTGTGCGCGCCCTCTTCTTGTGGGTGTGGGCTTGCACATTT	976
Db	901	TTCAAGCAAGACCTGTGCATCTGTGCGCGCCCTCTTCTTGTGGGTGTGGGCTTGCACATTT	960
QY	977	GCTAATTCAAGCCCTAAACCCCATCTCTTACACATGACACTGTGCAGGAATGAGTGAAG	1036
Db	961	GCTAATTCAAGCCCTAAACCCCATCTCTTACACATGACACTGTGCAGGAATGAGTGAAG	1020
QY	1037	AAAAATTTTGTGTGCTTCTGTGTTTCCGAAAAAGGAGCCATTTTAAAGACACATCTGT	1096
Db	1021	AAAAATTTTGTGTGCTTCTGTGTTTCCGAAAAAGGAGCCATTTTAAAGACACATCTGT	1080
QY	1097	AAAAGAATGACTGTGCATTAATTTCTGTGCTAATTTTCTTTATAGCGAGTTTCTCA	1156
Db	1081	AAAAGAATGACTGTGCATTAATTTCTGTGCTAATTTTCTTTATAGCGAGTTTCTCA	1140
QY	1157	CTGTGGCAGCTGTGTGCATGC	1176
Db	1141	CTGTGGCAGCTGTGTGCATGC	1160

Accession	Sequence	Position	Length
Db	1021 AAAATTTTTCGCTCTGGTCTCCAGAAAAGGAGCATTTTAAACAGACACTGTCTC	1080	100
Qy	1097 AAAAGAATGACTGTGCGATTATTTCTGCGCTAAATTTTCTTTATAGCGAGATTCTCACA	1156	100
Db	1081 AAAAGAATGACTGTGCGATTATTTCTGCGCTAAATTTTCTTTATAGCGAGATTCTCACA	1140	100
Qy	1157 CCTGGCGAGCTGTGTGCGATGC	1176	20
Db	1141 CCTGGCGAGCTGTGTGCGATGC	1160	20

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RESULT 10
US-10-086-181-3
; Sequence 3, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: MMI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-086-181-3

Query Match      62.3%; Score 1086; DB 5; Length 1086;
Best Local Similarity 100.0%; P-Id, No. 2,76-257;
Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY	44	ATGTCCCTGAATGCGCGCGGAGCAGCGGCGCGCTTGCGCAGCGCTGAGCAAGCC	103
Db	1	ATGTCCCTGAATGCGCGCGGAGCAGCGGCGCGCTTGCGCAGCGCTGAGCAAGCC	60
OY	104	AACGCACCCGCTTTCCTTCTTCTCCGACGTCAAGGCGACACCGGCTGCTGCTGACC	163
Db	61	AAACCGCACCCGCTTTCCTTCTTCTCCGACGTCAAGGCGACACCGGCTGCTGCTGACC	120
OY	154	GCGGTGAGAGCAACCGCTGCTGCTGCTCATCTTTGAGAGTGTGCTGCTGAGCAAGTGTGC	223
Db	121	GCGGTGAGAGCAACCGTGTGCTGCTCATCTTTGAGAGTGTGCTGCTGAGCAACCTGTGC	180
OY	224	GCCCTGAGTGTGAGGCGCGCGGACGACGCGCGCGGCGGACCTGCTGCTGCTACTCAAC	283
Db	181	GCCCTGAGTGTGAGTGGCGCGCGGACGACGCGCGCGGCGGACCTGCTGCTGCTACTCAAC	240
OY	284	CTCTTCTGCGCGGACCTGCTCTTTCATCAGCGCTATCCCTTGCTGCTGAGCGCTGCTGG	343
Db	241	CTCTTCTGCGCGGACCTGCTCTTTCATCAGCGCTATCCCTTGCTGCTGAGCGCTGCTGG	300
OY	344	ACTGAGGCTTGGCTCTGCTGCGCCCGCTGTGCTGTCCACCTGTCTTCTAGTGTATGACCTTG	403
Db	301	ACTGAGGCTTGGCTCTGCTGCGCCCGCTGTGCTGTCCACCTGTCTTCTAGTGTATGACCTTG	360
OY	404	AGCGGACGCTCACCATCTCTACGCTGAGCGCGGACAGCGCTGAGACGCTGATGTGATC	463
Db	361	AGCGGACGCTCACCATCTCTACGCTGAGCGCGGACAGCGCTGAGACGCTGATGTGATC	420
OY	464	GTGCACCTTGACAGCGCGCGCTGCGGGGTCTTGAGCGCGCGGCGCGGGCAGTGTCTGCTGCG	523
Db	421	GTGCACCTTGACAGCGCGCGCTGCGGGGTCTTGAGCGCGCGGCGCGGGCAGTGTCTGCTGCG	480
OY	524	CTCATCTGAGGCTATTTCCGCGGTGCGCGCTCTGTCTCTTCTGTGCTTCTTTGAGTGTCTC	583
Db	481	CTCATCTGAGGCTATTTCCGCGGTGCGCGCTCTGTCTCTTCTGTGCTTCTTTGAGTGTCTC	540
OY	584	CCGCAACGGCTCCCGCGCGCGGACGACGAGGAAATTTGATTGGACACTGATTTGGGCCACC	643
Db	643	CCGCAACGGCTCCCGCGCGCGGACGACGAGGAAATTTGATTGGACACTGATTTGGGCCACC	600
OY	644	ATTCTTGAGAGATCTCGTGGGATGTCTCTTTTGTTACTTTGAACTTCTTGCTGCGCAGGA	703
Db	601	ATTCTTGAGAGATCTCGTGGGATGTCTCTTTTGTTACTTTGAACTTCTTGCTGCGCAGGA	660
OY	704	CTGTGTCATTTGTATCATGTTACTTCCAAATTTTACAGATCACAAAGGCATCAAGAAAGG	763
Db	661	CTGTGTCATTTGTATCATGTTACTTCCAAATTTTACAGATCACAAAGGCATCAAGAAAGG	720

QY	764	CTCAGGGTAAAGCCCTGGCCTA	CTGGAGAGGCACACAGATCCGCGTCTCCAGCAGAACTTC	823
Db	721	CTCAGCGTAAAGCCTGGCCTTA	CTCGAGAGGCCACCAAGATCCGCGTCTCCAGCAGAACTTC	780
QY	824	CGGCTCTTCCGCAACCCCTCTT	CTCTCATGATGATCTCTTCTTCAATCATGTGAGAGCCCATC	883
Db	781	CGGCTCTTCCGCAACCCCTCTT	CTCTCATGATGATGATCTCTTCTTCAATCATGTGAGAGCCCATC	840
QY	884	ATCATCAACCATCTCTCTCATC	CTGATCCAGAACTTCAAGCAAGACTGTGTATCTGTGCCG	943
Db	841	ATCATCAACCATCTCTCTCATC	CTGATCCAGAACTTCAAGCAAGACTGTGTATCTGTGCCG	900
QY	944	TCCCTCTTCTTCTGGGGGTGG	CGCTTACAAATTGGCTAATTCAAGCCCTTAAACCCCATCTC	1003
Db	901	TCCCTCTTCTTCTGGGGGTGG	CGCTTACAAATTGGCTAATTCAAGCCCTTAAACCCCATCTC	960
QY	1004	TACAACATGACACTGTGTACAG	AAATGAATGAGAAATTTTCTGTCTCTCTGTGTTCCCA	1063
Db	961	TACAACATGACACTGTGTACAG	AAATGAATGAGAAATTTTCTGTCTCTCTGTGTTCCCA	1020
QY	1064	GAAAGGAGGAGCCATTTTAA	CAGACACATCTGTCAAAAGAAATGACTTGTGATTAATTTCT	1123
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Db	1081	GGCTTAA	1086	

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RESULT 11
US-10-083-168-11
; Sequence 11, Application US/10083168
; Publication No. US20030023069A1
; GENERAL INFORMATION:
; APPLICANT: Liaw, Chen W.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; APPLICANT: Maciejewski-Lenior, Dominique
; APPLICANT: Leonard, James N.
; APPLICANT: Orcuno, Daniel
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Endogenous And No. US20030023069A1-Endogenous, Constitut
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0320
; CURRENT APPLICATION NUMBER: US/10/083.168
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-083-168-11

Query Match          62.3%; Score 1086; DB 5; Length 1086;
Best Local Similarity 100.0%; Pred. No 2,7e-257;
Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

44 ATGTCCTCCGTGAATCGCGCGGGGAGCGGGCGACGCGCCCTTGGCGACCTTGAGCAAGCC 103
Db 1 ATGTCCTCCGTGAATCGCGCGGGGAGCGGGCGACGCGCCCTTGGCGACCTTGAGCAAGCC 60

104 AACGGCAACCCGCTTCTTCTTCTTCTTCCGACGTCAAGGGGCAACACCGGCTGGTCTGGCC 163
Db 61 AACGGCAACCCGCTTCTTCTTCTTCTTCCGACGTCAAGGGGCAACACCGGCTGGTCTGGCC 120

164 GCGGTGAGAGAAACCGTGTCTGTGCTCATCTTTGCAGTGTGCTGTGGCAAGTGTGC 223
Db 121 GCGGTGAGAGAAACCGTGTCTGTGCTCATCTTTGCAGTGTGCTGTGGCAAGTGTGC 180

224 GCCCTGTGCTGTGTGGCGCGCGACGACGCGCGGCGGACGTGCTTGCTGTGTACTCAAC 283
GCCCTGTGCTGTGTGGCGCGCGACGACGCGCGGCGGACGTGCTTGCTGTGTACTCAAC

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Db 301 ACTAGGCTGCTGCTGAGGCCCCCGTTGCTGCCACCTGCTCTTCAAGTATGACCCCTG 360
QY 404 AGCGGAGCGCTCAACCATCTCAAGCTGGCCGCGGCTGAGCGCATGATGTGCATC 463
Db 361 AGCGGAGCGCTCAACCATCTCAAGCTGGCCGCGGCTGAGCGCATGATGTGCATC 420
QY 464 GTGCACCTGACGCGCGGCGTGCAGGAGTCTTGGCGGCGGCGCGGCGCATGTGCTGGCG 523
Db 421 GTGCACCTGACGCGCGGCGTGCAGGAGTCTTGGCGGCGGCGCGGCGCATGTGCTGGCG 480
QY 524 CTATCTGAGGCTATTGGGGGCTGCGGCTCTGCTCTGCGCTCTTTCGAGTGTCTC 583
Db 481 CTATCTGAGGCTATTGGGGGCTGCGGCTCTGCTCTGCGCTCTTTCGAGTGTCTC 540
QY 584 CCGCAACGGCTCCCGCGCGCGGCGACCAAGAAATTTTCGATTTGACACATGATTTGGCCACC 643
Db 541 CCGCAACGGCTCCCGCGCGCGGCGACCAAGAAATTTTCGATTTGACACATGATTTGGCCACC 600
QY 644 ATTCTGAGAGATCTGTGGAGTGTCTTTTGTATCTTGAACCTTCTTGTGCCAGA 703
Db 601 ATTCTGAGAGATCTGTGGAGTGTCTTTTGTATCTTGAACCTTCTTGTGCCAGA 660
QY 704 CTGCTCTTGTGATCAATTAATCTCAAAATTTTACAGATCAAAAGGATCAAGAAAGG 763
Db 661 CTGCTCTTGTGATCAATTAATCTCAAAATTTTACAGATCAAAAGGATCAAGAAAGG 720
QY 764 CTCACGCTAAGCGCTGCTACTCGAGAGCCACAGATCCGCGTGTCCAGACGACTTC 823
Db 721 CTCACGCTAAGCGCTGCTACTCGAGAGCCACAGATCCGCGTGTCCAGACGACTTC 780
QY 824 CGGCTCTTCCGCAACCTCTTCTCTGCTGATGGTCTCTTTCATCATGTGAGGCCCATC 883
Db 781 CGGCTCTTCCGCAACCTCTTCTCTGCTGATGGTCTCTTTCATCATGTGAGGCCCATC 840
QY 884 ATCATCAACATCTCTCTCATCTCTGATCCAGAACTTCAAGCAAGACTGTGATCTGGCCG 943
Db 841 ATCATCAACATCTCTCTCATCTCTGATCCAGAACTTCAAGCAAGACTGTGATCTGGCCG 900
QY 944 TCCCTCTTCTTGGGTGGTGGCTTCAATTTGCTAATTCAGGCTTAACCCCATCTCTC 1003
Db 901 TCCCTCTTCTTGGGTGGTGGCTTCAATTTGCTAATTCAGGCTTAACCCCATCTCTC 960
QY 1004 TACAACATGACACTGTGCAAGAAATGATGGAAGAAATTTTGTGCTGCTTCTGGTTCCA 1063
Db 961 TACAACATGACACTGTGCAAGAAATGATGGAAGAAATTTTGTGCTGCTTCTGGTTCCA 1020
QY 1064 GAAAAGGAGCCATTTTAAACAGACACATCTGTCAAAAGAAATGACTGTGATTTTCT 1123
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QY 1124 GGCTTA 1129
Db 1081 GGCTTA 1086

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Job time : 1502 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 9, 2005, 08:17:41 ; Search time 215 Seconds

(without alignments)
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Title: US-10-077-698-2

Perfect score: 1743

Sequence: 1 tccgcactagctctagaccg.....aaaaaaaaaaagcgcg 1743

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 3392430 seqs, 186927314 residues

Total number of hits satisfying chosen parameters: 6784860

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	369.4	21.2	1104	US-10-980-388-10	Sequence 10, Appl
2	276.8	15.9	426	US-10-980-388-33	Sequence 33, Appl
3	237.8	13.6	162085	US-11-121-086-7	Sequence 7, Appl
4	236.4	13.6	182314	US-11-112-908-45	Sequence 45, Appl
5	235.2	13.5	215308	US-11-121-086-77	Sequence 77, Appl
6	231.6	13.3	155989	US-11-121-086-57	Sequence 57, Appl
7	230	13.2	340000	US-11-102-978-3	Sequence 3, Appl
8	229.2	13.1	156735	US-11-121-086-93	Sequence 93, Appl
9	227.4	13.0	171486	US-11-121-086-105	Sequence 105, Appl
10	226.6	13.0	160213	US-11-121-086-103	Sequence 103, Appl
11	226.6	13.0	179777	US-11-121-086-106	Sequence 106, Appl
12	226.6	13.0	189993	US-11-121-086-78	Sequence 78, Appl
13	225.6	12.9	120697	US-11-121-086-48	Sequence 48, Appl
14	225.2	12.9	114801	US-11-121-086-22	Sequence 22, Appl
15	224.2	12.9	38703	US-11-052-544-28	Sequence 28, Appl
16	224	12.9	175416	US-11-121-086-43	Sequence 43, Appl
17	223.6	12.8	187745	US-11-121-086-63	Sequence 63, Appl
18	223.6	12.8	179666	US-11-121-086-67	Sequence 67, Appl
19	223.8	12.8	155989	US-11-121-086-57	Sequence 57, Appl
20	223.2	12.7	155515	US-11-112-908-42	Sequence 42, Appl
21	222.2	12.7	159660	US-11-112-908-41	Sequence 41, Appl
22	222.2	12.7	177623	US-11-112-908-41	Sequence 41, Appl
23	222	12.7	180654	US-11-121-086-58	Sequence 58, Appl

24	222	12.7	190882	US-11-121-086-69	Sequence 69, Appl
25	221.8	12.7	161994	US-11-112-908-57	Sequence 57, Appl
26	221.6	12.7	138821	US-11-121-086-80	Sequence 80, Appl
27	221.6	12.7	150450	US-11-112-908-54	Sequence 54, Appl
28	221.6	12.7	191343	US-11-112-908-53	Sequence 53, Appl
29	221.4	12.7	163162	US-11-121-086-66	Sequence 66, Appl
30	220.8	12.7	200628	US-11-112-908-62	Sequence 62, Appl
31	220.2	12.6	173115	US-11-112-908-65	Sequence 65, Appl
32	220.2	12.6	196200	US-11-121-086-9	Sequence 9, Appl
33	220.2	12.6	246960	US-11-121-086-6	Sequence 6, Appl
34	220	12.6	63984	US-11-121-086-26	Sequence 26, Appl
35	219.8	12.6	169047	US-11-121-086-15	Sequence 15, Appl
36	219.8	12.6	179892	US-11-112-908-39	Sequence 39, Appl
37	219.6	12.6	150481	US-11-112-908-37	Sequence 37, Appl
38	219.6	12.6	171162	US-11-112-908-38	Sequence 38, Appl
39	219.4	12.6	120096	US-11-121-086-24	Sequence 24, Appl
40	219	12.6	153142	US-11-121-086-27	Sequence 27, Appl
41	219	12.6	160213	US-11-121-086-103	Sequence 103, Appl
42	219	12.6	178877	US-11-121-086-17	Sequence 17, Appl
43	218.8	12.6	180654	US-11-121-086-58	Sequence 58, Appl
44	218.6	12.5	79528	US-10-276-223A-6	Sequence 6, Appl
45	218.2	12.5	48763	US-10-663-794-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-10-980-388-10
Sequence 10, Application US/10980388
Publication No. US20050255490A1
GENERAL INFORMATION:
APPLICANT: Vogell, Gabriel
APPLICANT: Parodi, Luis A.
APPLICANT: Hiebsch, Ronald R.
APPLICANT: Lind, Peter
APPLICANT: Kaytes, Paul S.
APPLICANT: Huff, Valerie
APPLICANT: Huff, Rita M.
APPLICANT: Wood, Linda S.
TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
FILE REFERENCE: 00325, US1
CURRENT APPLICATION NUMBER: US/10/980,388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791,932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/217,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
PRIOR FILING DATE: 2000-07-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 10
LENGTH: 1104
TYPE: DNA
ORGANISM: Homo sapiens
US-10-980-388-10

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	Best Local Similarity	99.5%	Pred. No. 1.9e-67				
	Matches 381	Conservative	0	Mismatches 1	Indels 1	Gaps 1	
QY	229	GGTGTCTGTGTGCGCGCCAGCAGACGCCGCGGCAGACTGTGCCTTCCTTGTAACAACCTTT					288
Db	9	GGTCTGTGTGTGCGCGCGC - CGACGCCGCGCGCGCACTGTGCCTTCCTTGTAACAACCTTT					67
QY	289	CTGGGGCGGAACTTGTCTTTCATCAGGGGCTAATCCCTCTGTGTCTGGGCGCGCGCTGTGAACCTGA					348
Db	68	CTGGCGGGAACCTGTCTTTCATCAGGCGTAATCCCTCTGTGTGTGGCGCGCGCTGTGAACCTGA					127
QY	349	GGCGCTGTGTGTGGGCCCCGTTGTGCTGTGCACACTGTCTTTTACGTGATGACACCTTAGCGG					408
Db	128	GGCGCTGTGTGTGGGCCCCGTTGTGTGCACACTGTCTTTTACGTGATGACACCTTAGCGG					187
QY	409	CAGCGTCACCATCTCTACGCTGTGGCCGCGGCTCAGCCTGTGAGCGGCATGTGTGATGTGTGA					468
Db	188	CAGCGTCACCATCTCTACGCTGTGGCCGCGGCTCAGCCTGTGAGCGGCATGTGTGATGTGTGA					247
QY	469	CCTGCAGGCGGCGCGTGGGGGCTCTGGGAGGCGGCGCGGCGAGTGCTGTGGCGGCTCAT					528
Db	248	CCTGCAGGCGGCGCGTGGGGGCTCTGGGAGGCGGCGCGGCGAGTGCTGTGGCGGCTCAT					307
QY	529	CTGGGGCTATTTCGGGCGGTTCGCGGCTCTGTGCCTCTCTGTGCTTTCTTTTCAGAGTGTCTCCGCA					588
Db	308	CTGGGGCTATTTCGGGCGGTTCGCGGCTCTGTGCCTCTCTGTGCTTTCTTCAGAGTGTCTCCGCA					367
QY	589	ACGGGCTCCCCGGGCGCCGACACAG 611					
Db	368	ACGGGCTCCCCGGGCGCCGACACAG 390					

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1 RESULT 2
2 US-10-980-388-33
3
4 ; Sequence 33, Application US/10980388
5 ; Publication No. US20050255490A1
6 ; GENERAL INFORMATION:
7 ; APPLICANT: Vogeli, Gabriel
8 ; APPLICANT: Parodi, Luis A.
9 ; APPLICANT: Hiebsch, Ronald R.
10 ; APPLICANT: Lind, Peter
11 ; APPLICANT: Kaytes, Paul S.
12 ; APPLICANT: Ruff, Valerie
13 ; APPLICANT: Huff, Rita M.
14 ; APPLICANT: Wood, Linda S.
15
16 ; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related Appl
17 ; FILE REFERENCE: 00325, US1
18
19 ; CURRENT APPLICATION NUMBER: US/10/980,388
20 ; CURRENT FILING DATE: 2004-11-02
21
22 ; PRIOR APPLICATION NUMBER: US/09/791,932
23 ; PRIOR FILING DATE: 2001-02-23
24
25 ; PRIOR APPLICATION NUMBER: 60/184,305
26 ; PRIOR FILING DATE: 2000-02-23
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29 ; PRIOR FILING DATE: 2000-02-23
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36
37 ; PRIOR APPLICATION NUMBER: 60/184,247
38 ; PRIOR FILING DATE: 2000-02-23
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40 ; PRIOR APPLICATION NUMBER: 60/188,880
41 ; PRIOR FILING DATE: 2000-03-13
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43 ; PRIOR APPLICATION NUMBER: 60/217,369
44 ; PRIOR FILING DATE: 2000-07-11
45
46 ; PRIOR APPLICATION NUMBER: 60/217,370
47 ; PRIOR FILING DATE: 2000-07-11
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49 ; PRIOR APPLICATION NUMBER: 60/218,492
50 ; PRIOR FILING DATE: 2000-07-20
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52 ; Remaining Prior Application data removed - See File Wrapper or PALM.
53
54 ; NUMBER OF SEQ ID NOS: 184
55
56 ; SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 33
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-960-388-33
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Query Match	15.94;	Score 276.8;	DB 6;	Length 426;
Best Local Similarity	97.64;	Pred. No. 1.7e-48;		
Matches 281; Conservative	0;	Mismatches 7;	Indels 0;	Gaps 0;

Qy	732	TTTAAAGATCACAAAGGATCAAGGAAGAGCTCAGGTAAAGCTGAGCTAATCGAGA	791
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Qy	792	GCCACAGATCCGGTGTCCAGCAGACTTCCGGACTTTCGGACCCCTTCTCTCTCA	851
Db	199	GCCACAGATCCGGTGTCCAGCAGACTTCCGGACTTTCGGACCCCTTCTCTCTAA	258
Qy	852	TGGCTCTCTTTCATCATGTGGAGGCCCATCATCATCACCATCTCTCATCTCGATCC	911
Db	259	TGGTCTCTCTTTCATCATGTGGAGGCCCATCATCATTCATTCCTCTTAATCTGATCC	318
Qy	912	AGAACTTCAAGCAAGACCTGATCATCTGGCCGTCCCTCTTCTTGGGTGGTGGCTTCA	971
Db	319	AGAACTTCAAGCAAGACCTGATCATCTGGCCGTCCCTCTTCTTGGGTGGTGGCTTCA	378
Qy	972	CATTTGGTAAATTGAGCCCTAAACCCCATCTCTTAACAATGACACTGT	1019
Db	379	CATTTGGTAAATTGAGCCCTAAACCCCATCTCTTAACAATGACACTGT	426

RESULT 3

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US-11-121-086-7/c
; Sequence 7, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 7
; LENGTH: 162085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-7

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Query Match	13.6%	Score 237.8;	DB 7;	Length 162085;
Best Local Similarity	84.1%;	Pred. No. 1.5e-39;		
Matches 280;	Conservative 0;	Mismatches 52;	Indels 1;	Gaps 1;

QY	1296	ATATTTTCCCTTATAAAAGGATTTGTGGCAGAGGAGTGGTTCATGCTGTATCCC	1355
Db	10654	ATTTTGTCCCTTTTAAAAATACTGTGTGCAAGGAGTGTGTGTTCTTCTGTATCCC	105959
QY	1356	AGCAGTTTGGAGAGCTGAGTGGGTGGATCACTGAGGTCAAGAGTTGCAGACCAACTG	1415
Db	10594	AGCAGTTTGGAGAACCGAGGACGCTGGATCACTGAGGTCAAGAGTTGCAGACCAAGCTG	105358
QY	1416	ACCAACATGGTGAAGCCCCGCTTCTACTTAAAAATTTAAAAATTTAGCTGGGAGTGG	1475
Db	10534	ACCAACATTAAGTGA-AACTCGCTTCTACTTAAAAATACAAAAAATTTAGCCAGGCGTGG	104767
QY	1476	TGGGGGACACTGTAAATCCTAGTACTTGGGAGGCTGAACCAAGAGAACTCTTTGAACCT	1535
Db	10475	TGGGGGAGCGCTGTAAATCCAGCTTACTCGGAGAGCTGAACCAAGAGAAATCGCTTGAACCC	104161
QY	1536	GAGAGCAGAGGTTTGACAGTAGGCCGAGATCTGTCCACTTGCACCTCCAACGAGGCAACAG	1595

QY	1418	CAACATGTGTAGAGCCCCCGCTCTACATCAAAAAATAAAAAATTTAGCTGGGAGTGGTG	1477
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QY	1538	GAGGCAAGAGTTGCAGCTGAGCCGAGATCGTGCCATTGCCAACCAGGCGAACAGAG	1597
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Db	37924	TGAATCTCCGCTCTCAAAAAAAGATATCTCCCTTTAAGGGGAT	37879

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1 RESULT 7
2 US-11-102-978-3/c
3 : Sequence 3, Application US/11102978
4 : Publication NO. US20050250142n1
5 : GENERAL INFORMATION:
6 : APPLICANT: University of Utah Technology Transfer Office
7 : APPLICANT: University of Utah Research Foundation
8 : TITLE OF INVENTION: Diagnosis and Treatment of Herpes Simplex Virus Disease
9 : FILE REFERENCE: 0274-5537, US
10 : CURRENT APPLICATION NUMBER: US/11/102,978
11 : CURRENT FILING DATE: 2005-04-11
12 : PRIOR APPLICATION NUMBER: PCT/US2003/033152
13 : PRIOR FILING DATE: 2003-10-18
14 : PRIOR APPLICATION NUMBER: 60/419,576
15 : PRIOR FILING DATE: 2002-10-18
16 : NUMBER OF SEQ ID NOS: 13
17 : SOFTWARE: PatentIn version 3.2
18 : SEQ ID NO 3
19 : LENGTH: 340000
20 : TYPE: DNA
21 : ORGANISM: Homo sapiens
22 : FEATURE:
23 : NAME/KEY: exon
24 : LOCATION: (56948)..(57115)
25 : OTHER INFORMATION: C21orf34 exon
26 : FEATURE:
27 : NAME/KEY: misc feature
28 : LOCATION: (80006)..(81089)
29 : OTHER INFORMATION: Gene VDAC2P; voltage-dependent anion channel isoform 2 pseudogene
30 : FEATURE:
31 : NAME/KEY: exon
32 : LOCATION: (167308)..(167438)
33 : OTHER INFORMATION: C21orf34 exon
34 : FEATURE:
35 : NAME/KEY: exon
36 : LOCATION: (216732)..(216833)
37 : OTHER INFORMATION: C21orf34 exon
38 : US-11-102-978-3

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Query Match	13.2%	Pred. 230	DB 7	Length 340000
Best Local Similarity	84.2%	Pred. No. 8	1e-38	
Matches 271	Conservative 0	Mismatches 50	Indels 1	Gaps 1

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Db	188286	ATATTAAGATTGGAGGCCGGCGTGTGTCACGCCGTGATCCACAGACTTTGGAG	188227
QY	1369	GCTGAGTGTGGTGATCACCTGAGGTCAGAGTTGCAGAACCACTGACCAACATGCTGA	1428
Db	188226	GCCGAGTGTGGCGGATCATCTAGGTCAGAGTTCAGAGACACGCCCTGACCAACATGAGAA	188167
QY	1429	GACCCCGCTCTACTAAATAATTAATAAATTTGCTGGAGTGGTGTGGGCACCTG	1488
Db	188166	AAACCCGCTCTACTAAATACTACAAAAAATTTAGCCCGGATGTGGCGGATGCTCTG	188108

QY	1489	TAATCTGTGACTCTGGGAGGCTGAACGAGAGAACTCTTGAACCTGGGAGGCAAGGT	1548
Db	188107	TAACTCCGCTAATTGGAGAGCTGACGCAAGAAATTCCTTAACTGGGAACTGGAGGT	188048
QY	1549	TGCAGTGAAGCGAGATCGTGCCATTCGCACTCCAAACGAGGCAACAAGACTGAATTCAT	1608
Db	188047	TGCAGTGAAGCTGAGATTCATGCCATTGCACTCCAGCTGGGCAACAAGACCAAAATTCCTG	187988
QY	1609	CTTAAAAAAAAAAAAAAAAAGCA	1630
Db	187987	CTCAAAAAAAAAAAAAAAAAAAAA	187966

```

RESULT 8
; US-11-121-086-93/c
; Sequence 93, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11,121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 93
; LENGTH: 156735
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-93

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Query Match	13.1%	Score 229.2	DB 7	Length 156735
Best Local Similarity	83.4%	Pred. No. 96-38		
Matches	272	Conservative	0	Mismatches 53; Indels 1; Gaps 1;
QY	1305	CTTTATYAAAAGGATTTGTTGGCCAGCGTGCAGTGTTTCATGCTGTATATCCACGACGTTTG	1364	
Db	108399	CATTAATAAAAAAAAAAATTTGGCCAGGCACTGGGCTCATGCTGTATATCCAGCACTTTG	108340	
QY	1355	GGAGGCTGAGTGGGTGATCACTTGAGTCAAGAGTTTGAACCAACTTGACCAATG	1424	
Db	108339	GGATGCCAAAGAGGTGATGATCCGTAGAGTGGGAGTTGGAAACCGCTGACAAACATG	108280	
QY	1425	GTGAGACCCCCGCTCTCTACTATATAATYAAAAAAAAAATTAGCTGGGAGTGATGTGGCA	1484	
Db	108279	GAGA-AACCCGTGTCTCTACTATATAAAAAAAAAAAAAAAAAATTATGCCGGCAGTGTGGCACATT	108221	
QY	1485	CCTGTATCTAGTACTTGTGGAGGCTGAACCGAGAAATCTTTGAACCTGGAGGCA	1544	
Db	108220	CCTGTATATCCAGACTATCTAGAAAGGCTGAGCGAGGATCACTTGAATTGGGAGGCA	108161	
QY	1545	AGGTTGCAGTGAGCCGAGATCTGCCATTGCACTCCAACGAGGCAACAAGTGAAT	1604	
Db	108160	AGGTTGCAGTGAGCCAGATGTTGTGCATTGCACTCCAGCTGGACAAACAAGCAAAACT	108101	
QY	1605	CCATCTTAAAAAAAAAAAAAAAAAAAAA	1630	
Db	108100	CCATCTCAAAAAAAAAAAAAAAAAAAAAA	108075	

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RESULT 9
US-11-121-086-105
; Sequence 105, Application US/11121086
; Publication No. US20050266459a1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086

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/ CURRENT FILING DATE: 2005-05-04
/ PRIOR APPLICATION NUMBER: 60/567,570
/ PRIOR FILING DATE: 2004-05-04
/ NUMBER OF SEQ ID NOS: 107
/ SOFTWARE: Patentin version 3.3
/ SEQ ID NO 105
/ LENGTH: 171486
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-121-086-105

Query Match 13.0%; Score 227.4; DB 7; Length 171486;
Best Local Similarity 81.6%; Pred. No. 2.2e-37;
Matches 288; Conservative 0; Mismatches 61; Indels 4; Gaps 2;

OY 1286 AAGTTTCATATATTTTCCCTTTATTAAGAATTTGTTGGCCAGGTGACGTGCTTCAATGC 1345
DB 86434 AATTTACAAATAGTATATCATTTAAGATGCGCCGCGCGGCTGCTCATGC 86493
OY 1346 CTGTATCCAGCACTTTGGAGGCTGAGTGGTGGATCACTGAGGTGAGGAGTTGCA 1405
DB 86494 CTGTATCTCAGCACTTTGGAGGCTGAGGCGGAGTGTGTTGAGGTGAGGAGTTGCA 86553
OY 1406 GACCAACCTGACCAACATGATGAGACCCCGCTCTCTACTATAAATAAATAAATAAATAG 1465
DB 86554 GACCAACCTGCGCAACATAGTGA-AACCCGCTCTCTACTGAAAT--ATAAAGTTAG 86609
OY 1466 CTGGAGTGTGTGTGGGCACTGTATCTTACCTTCTGAGGAGGTGAACGAGAAATC 1525
DB 86610 CTGGGCACTGTGTGTGGGCGCCCTGTATCCAGCTACTGAGGAGGTGAGGAGAAATC 86669
OY 1526 TCTTGAACCTGGAGGAGAGGTTGCAAGTGGAGGCGGAGATTCGACATTCGCACTCCACCA 1585
DB 86670 GCTTGAACCCAGAGGCGGAGGCTGAGGAGCCGAGATGTGCCACTGCACTCCAGCT 86729
OY 1586 GGGCAACAGAGTGAACCTCCATCTTAATAAATAAATAAATAAAGATTTGTTAT 1638
DB 86730 GGGCAACAGAGTGAACCTCCGCTCTCAAAAAAATAAATAAATAAAGCTGTTCTCAT 86782

RESULT 10
US-11-121-086-103/c
/ Sequence 103, Application US/11121086
/ Publication No. US20050266459A1
/ GENERAL INFORMATION:
/ APPLICANT: POULSEN, TIM S.
/ APPLICANT: NIELSEN, KIRSTEN V.
/ TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
/ FILE REFERENCE: 09138, 6000-00000
/ CURRENT APPLICATION NUMBER: US/11/121,086
/ CURRENT FILING DATE: 2005-05-04
/ PRIOR APPLICATION NUMBER: 60/567,570
/ PRIOR FILING DATE: 2004-05-04
/ NUMBER OF SEQ ID NOS: 107
/ SOFTWARE: Patentin version 3.3
/ SEQ ID NO 103
/ LENGTH: 160213
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-121-086-103

Query Match 13.0%; Score 226.6; DB 7; Length 160213;
Best Local Similarity 81.2%; Pred. No. 3.1e-37;
Matches 280; Conservative 0; Mismatches 54; Indels 11; Gaps 1;
OY 1298 ATTTTCCCTTTAATAAAGATTTGTTGGCAGGTGCACTGTTGCTGCTGTAATCCAG 1357
DB 39085 ATTGTCACCTTAGAATAGAGATAGAGCCAAAGCATGTGTGCTATGCCGTAATCCAG 39026
OY 1358 CAGTTTGGAGGCTGAGGTGAGTATCACTGAGTCAAGAGTTTGAAGCAACCACTGAC 1417
DB 39025 CACTTTGGAGGCTGAGGCGGCTGATCACTGAGGTGAGAGTTCAAGCAACCACTGCG 38966

OY 1418 CAACATGATGAGACCCCGCTCTACTATAAATAAATAA-----AAAAATTAGC 1466
DB 38965 CACATGATGAAACCCCGCTCTACTATAAATAAATAAATAAATAAATAAATAAATTAGC 38966
OY 1467 TGGAGTGTGTGTGGGCACTGTATCTTACTGCTTCTTGGAGGCTGAACCAAGAAATCT 1526
DB 38905 TGGGCTGTGTGGGCACTGTATCTTACTGCTTCTTGGAGGCTGAACCAAGAAATCT 38846
OY 1527 CTGGAACCTGGAGGCAAGGTGTCAGTGAACCCGAGATCGTGCCATTCCTCAACCAAG 1586
DB 38845 CTGGAACCTGGAGGCAAGGTGTCAGTGAACCCGAGATCGTGACATTCCTCAACCAAG 38786
OY 1587 GGCAACAGAGTGAACCTCATCTTAATAAATAAATAAATAAAGAT 1631
DB 38785 GGCAATAGACCAAACTCTCTCAAAAAAATAAATAAAGAGAT 38741

RESULT 11
US-11-121-086-106/c
/ Sequence 106, Application US/11121086
/ Publication No. US20050266459A1
/ GENERAL INFORMATION:
/ APPLICANT: POULSEN, TIM S.
/ APPLICANT: NIELSEN, KIRSTEN V.
/ TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
/ FILE REFERENCE: 09138, 6000-00000
/ CURRENT APPLICATION NUMBER: US/11/121,086
/ CURRENT FILING DATE: 2005-05-04
/ PRIOR APPLICATION NUMBER: 60/567,570
/ PRIOR FILING DATE: 2004-05-04
/ NUMBER OF SEQ ID NOS: 107
/ SOFTWARE: Patentin version 3.3
/ SEQ ID NO 106
/ LENGTH: 179777
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-121-086-106

Query Match 13.0%; Score 226.6; DB 7; Length 179777;
Best Local Similarity 83.9%; Pred. No. 3.2e-37;
Matches 281; Conservative 0; Mismatches 49; Indels 5; Gaps 2;

OY 1296 ATATTTCCCTTTAATAAAGATTTGTTGGCAGGTGAGTGAAGTTCATGCTGTAATGCC 1355
DB 118973 ATCTGTGTTTAAAGATAGATGTGGCGGCGGCTGCTCAAGCTGTAATGCC 118914
OY 1356 AGCATTTGGAGGCTGAGGTGTGTGATCACTGAGGTGAGAGTTGAGACCAACCTG 1415
DB 118913 AGCATTTGGAGGCTGAGGTGTGTGATCACTGAGGTGAGAGTTGAGACCAACCTG 118854
OY 1416 ACCAATGATGTGAGACCCCGCTCTCTACTATAAATAAATAAATAAATAAATTAGCTGGAGTGG 1475
DB 118853 GCCAATGATGTGA-AACCCCATCTCTACTATAAAT---ACAAAATTAAGCTGGGTGG 118799
OY 1476 TGTGTGGCACTGTATCTTCTGCTGCTGAGGCTGAGACCAAGAGAAATCTTGAACCT 1535
DB 118798 TGTGTGACCTGTATCTTCTGCTGCTGAGGCTGAGACCAAGAGAAATCTTGAACCT 118739
OY 1536 GGAAGGCAAGGTGAGTGAACCGAGATCGTGCATTGCTCAACCAAGGAGCAAG 1595
DB 118738 GGAAGGCAAGGTGAGTGAACCGAGATCGTGCATTGCTCAACCAAGGAGCAAG 118679
OY 1596 AGTGAACCTCATCTTAAATAAATAAATAAATAAAGA 1630
DB 118678 AGTGAACCTCATCTTCAAAAAAATAAATAAAGAAAA 118644

RESULT 12
US-11-121-086-78
/ Sequence 78, Application US/11121086
/ Publication No. US20050266459A1
/ GENERAL INFORMATION:
/ APPLICANT: POULSEN, TIM S.


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; Sequence 28, Application US/11052544
; Publication No. US20050255504A1
; GENERAL INFORMATION:
; APPLICANT: PARL, Fritz F.
; TITLE OF INVENTION: METHOD OF DETECTING AN INCREASED
; TITLE OF INVENTION: SUSCEPTIBILITY TO BREAST CANCER
; FILE REFERENCE: 22000.012702
; CURRENT APPLICATION NUMBER: US/11/052,544
; PRIOR FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: 60/543,866
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 38703
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: synthetic construct
US-11-052-544-28

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Query Match      12.9%; Score 224.2; DB 7; Length 38703;
Best Local Similarity 79.3%; Pred. No. 5,9e-37;
Matches 280; Conservative 0; Mismatches 68; Indels 5; Gaps 1;

QY 1309 ATAAAGATTGTTGGCCAGGTGCACTGCTTCAATCCAGCAAGTTGGAG 1368
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16584 AAAAAAAAAAAGAGCGGGCATGTGCTCACATTTGATCCAGCATTTGGGAG 16525
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1369 GCTGAGTGGGTGATCACTGAGGTGAGAGTTCAGACCACTGACCAACATGTTGA 1428
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16524 GCCAGTTGGGTGATCACTGAGGTGAGAGTTCAGACCACTGACCAACATGTTGA 16465
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1429 GACCCCGCTCTTACTTAAATAAAAAAAAAAATTAGCTGGAGTGTGTGGGCACCTG 1488
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16464 GACCCCGCTCTTACTTAAATA-----ACAAATTAGCTGGGCAGTGTGGGCACCTG 16410
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1489 TAACTCTAGCTACTTGGAGGTGAAACAGAGAACTTCTTGAACCTGGAGGAGAGGT 1548
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16409 TAACTCCAGCTACTAGGAGGTGAGGAGGAACTCTTGAACCTGGAGGAGAGGT 16350
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1549 TCGAGTGAAGCGAGATCGTCATTCGCACTCCAAACGAGGCAAGAGTGAACCTCAT 1608
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16349 TCGGCTGAGCCAAAGATCGTCATTCGCACTCCAAACGAGGCAAGAGTGAACCTCAT 16290
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1609 CTTAATAAAAAAAAAAAGATTGTTATGGGTTCTTTTAAATGTGAAGTT 1661
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16289 CTCAAACAAATAAGAGAGAAAGAAATTAATTGATTTGAGTGTGGCTT 16237
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

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 Job time : 225 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: December 9, 2005, 07:17:16 : Search time 332 Seconds
(without alignments)
9332.199 Million cell updates/sec

Title: US-10-077-698-2

Perfect score: 1743
Sequence: 1 tcgcgactagcttcagacgcg.....aaaaaaaaaaaaaggcgcg 1743

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: Issued_Patents_NA.*
- 2: /cgn2_6/ptodata/1/ina/1.COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/5.COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/6B.COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/H.COMB.seq.*
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- 9: /cgn2_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1743	100.0	1743	US-09-261-599B-2	Sequence 2, Appli
2	1743	100.0	1743	US-09-456-455A-2	Sequence 2, Appli
3	866.2	49.7	1560	US-09-261-599B-5	Sequence 5, Appli
4	866.2	49.7	1560	US-09-456-455A-5	Sequence 5, Appli
5	234.6	13.5	71574	US-09-949-016-15580	Sequence 15580, A
6	234.2	13.4	601	US-09-949-016-136815	Sequence 136815, A
7	234	13.4	78720	US-09-949-016-12710	Sequence 12710, A
8	234	13.4	78720	US-09-949-016-17283	Sequence 17283, A
9	233.4	13.4	144158	US-09-949-016-11755	Sequence 11755, A
10	233.4	13.4	144158	US-09-949-016-12936	Sequence 12936, A
11	233	13.4	471	US-09-621-976-13665	Sequence 13665, A
12	233	13.4	561	US-09-949-016-41725	Sequence 41725, A
13	232.2	13.3	41106	US-09-949-016-15796	Sequence 15796, A
14	232	13.3	23357	US-09-949-016-16676	Sequence 16676, A
15	231.8	13.3	2742	US-09-949-016-4295	Sequence 4295, Ap
16	231.8	13.3	30324	US-09-949-016-16037	Sequence 16037, A
17	231.6	13.3	30618	US-09-949-016-15964	Sequence 15964, A
18	231.6	13.3	108440	US-09-949-016-12065	Sequence 12065, A
19	231.6	13.3	108441	US-09-949-016-14090	Sequence 14090, A
20	231.4	13.3	26619	US-09-949-016-15030	Sequence 15030, A
21	231.4	13.3	39601	US-09-949-016-16045	Sequence 16045, A
22	231.2	13.3	57392	US-09-949-016-12070	Sequence 12070, A
23	231.2	13.3	57402	US-09-949-016-13293	Sequence 13293, A
24	230.8	13.2	57751	US-09-949-016-13631	Sequence 13631, A

C 25	230.8	13.2	75212	3	US-09-949-016-13313	Sequence 13313, A
C 26	230.8	13.2	75212	3	US-09-949-016-13314	Sequence 13314, A
C 27	230.8	13.2	75212	3	US-09-949-016-13315	Sequence 13315, A
C 28	230.8	13.2	87523	3	US-09-949-016-12670	Sequence 12670, A
C 29	230.8	13.2	87523	3	US-09-949-016-15047	Sequence 15047, A
C 30	230.8	13.2	87523	3	US-09-949-016-15048	Sequence 15048, A
C 31	230.8	13.2	87523	3	US-09-949-016-15049	Sequence 15049, A
C 32	230.8	13.2	87869	3	US-09-949-016-11744	Sequence 11744, A
C 33	230.8	13.2	87869	3	US-09-949-016-15044	Sequence 15044, A
C 34	230.8	13.2	87869	3	US-09-949-016-15045	Sequence 15045, A
C 35	230.8	13.2	87869	3	US-09-949-016-15046	Sequence 15046, A
C 36	230.4	13.2	451924	3	US-09-949-016-17305	Sequence 17305, A
C 37	230.4	13.2	451925	3	US-09-949-016-17305	Sequence 17305, A
C 38	230.2	13.2	601	3	US-09-949-016-153816	Sequence 153816, A
C 39	230.2	13.2	5819	3	US-09-949-016-14050	Sequence 14050, A
C 40	230.2	13.2	40408	3	US-09-949-016-16331	Sequence 16331, A
C 41	230.2	13.2	50836	3	US-09-949-016-16732	Sequence 16732, A
C 42	230.2	13.2	84875	3	US-09-949-016-17334	Sequence 17334, A
C 43	230.2	13.2	84875	3	US-09-949-016-17335	Sequence 17335, A
C 44	230.2	13.2	84875	3	US-09-949-016-17336	Sequence 17336, A
C 45	230.2	13.2	84875	3	US-09-949-016-17337	Sequence 17337, A

ALIGNMENTS

RESULT 1	
US-09-261-599B-2	
Sequence 2, Application US/09261599B	
Patent No. 6395877	
GENERAL INFORMATION:	
APPLICANT: Gluckmann, Maria A.	
TITLE OF INVENTION: 1423 Receptor, A No. 6395877el G-Protein Coupled Receptor	
FILE REFERENCE: 5800-4B, 035800/177066	
CURRENT APPLICATION NUMBER: US/09/261.599B	
CURRENT FILING DATE: 1999-02-26	
PRIOR APPLICATION NUMBER: 09/107,761	
PRIOR FILING DATE: 1998-06-30	
PRIOR APPLICATION NUMBER: 09/223,538	
PRIOR FILING DATE: 1998-12-30	
NUMBER OF SEQ ID NOS: 7	
SOFTWARE: Patentin Ver. 2.1	
SEQ ID NO 2	
LENGTH: 1743	
TYPE: DNA	
ORGANISM: Homo sapiens	
US-09-261-599B-2	
Query Match	100.0%: Score 1743; DB 3; Length 1743;
Best Local Similarity	100.0%: Pred. No. 0;
Matches 1743; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1 TC CGGACTAGTCTAGACCGCTGCGGCGCCGCAAGCGCGGATGTCCTGATGCGC 60
DB	1 TC CGGACTAGTCTAGACCGCTGCGGCGCCGCAAGCGCGGATGTCCTGATGCGC 60
QY	61 GCGGCGAGCGGCGGCGCGCCCTTTCGCGAGCTTGAGCAAGCAAGCGGCGCTTTC 120
DB	61 GCGGCGAGCGGCGGCGCGCCCTTTCGCGAGCTTGAGCAAGCAAGCGGCGCTTTC 120
QY	121 CTCTCTTCGAGTCAAGGCGACCAACCGGCTGGGCGGCGGCTGGAGCAACCGT 180
DB	121 CTCTCTTCGAGTCAAGGCGACCAACCGGCTGGGCGGCGGCTGGAGCAACCGT 180
QY	181 GCTGAGTCTCATCTTTGCACTGTCGCTGCGGCAAGTGGGCGCTGCTGCTGGC 240
DB	181 GCTGAGTCTCATCTTTGCACTGTCGCTGCGGCAAGTGGGCGCTGCTGCTGGC 240
QY	241 GCGCGGAGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
DB	241 GCGCGGAGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
QY	301 GCTCTTATGAGGCGTATCCCTCTGAGTGGCGGCGGCGGCGGCGGCGGCGGCT 360


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Oy 301 GCTCTTCATCAGCGCTATCCCTCTGCTGCGCTGCGCTGGACTGAGCGCTGGCTCT 360
Db 301 GCTCTTCATCAGCGCTATCCCTCTGCTGCTGCGCTGCGCTGGACTGAGCGCTGGCTCT 360
Oy 361 GGGCCCCCTGCTGCTGCACTGCTCTTCTGATGATGACCTTGAGCGGAGCTGACCAT 420
Db 361 GGGCCCCCTGCTGCTGCACTGCTCTTCTGATGATGACCTTGAGCGGAGCTGACCAT 420
Oy 421 CCTCAGCTGCGCGGCTGCACTGCTGGAAGCATGCTGTCATCTGTCACCTGCAAGCGG 480
Db 421 CCTCAGCTGCGCGGCTGCACTGCTGGAAGCATGCTGTCATCTGTCACCTGCAAGCGG 480
Oy 481 CGTGGGAGGCTCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540
Db 481 CGTGGGAGGCTCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540
Oy 541 GGGCGCTGCGCGCTCTGCTCTGCTGCTCTTCTGATGCTGCTGCGCAAGCGCTGCGG 600
Db 541 GGGCGCTGCGCGCTCTGCTCTGCTGCTCTTCTGATGCTGCTGCGCAAGCGCTGCGG 600
Oy 601 CGCGGACGAGGAATTTGATTTGCACTGATTTGGCCACCATCTCTGAGAGATCTC 660
Db 601 CGCGGACGAGGAATTTGATTTGCACTGATTTGGCCACCATCTCTGAGAGATCTC 660
Oy 661 GTGGGATGCTCTTTTGTATCTTGAATCTGCTGCTGCGAGAGCTGCTGATGATGAG 720
Db 661 GTGGGATGCTCTTTTGTATCTTGAATCTGCTGCTGCGAGAGCTGCTGATGATGAG 720
Oy 721 TTACTCCAAATTTTACAGATCACAAAGGATCAAGAGAGGCTCAGGTAAGCTGAC 780
Db 721 TTACTCCAAATTTTACAGATCACAAAGGATCAAGAGAGGCTCAGGTAAGCTGAC 780
Oy 781 CTACTCGAGAGCCACAGATCCGCTGCTCCAGAGAGACTTCGCGCTCTCCGACCT 840
Db 781 CTACTCGAGAGCCACAGATCCGCTGCTCCAGAGAGACTTCGCGCTCTCCGACCT 840
Oy 841 CTCTCTCTCATGCTGCTCTCTCTCATGATGAGGAGCGCCCATCATCATCATCTCT 900
Db 841 CTCTCTCTCATGCTGCTCTCTCTCATGATGAGGAGCGCCCATCATCATCATCTCT 900
Oy 901 CATCTGATCCAGAACTTCAAGCAAGACTGCTGATCTGCGCTCTCTCTCTGAGT 960
Db 901 CATCTGATCCAGAACTTCAAGCAAGACTGCTGATCTGCGCTCTCTCTCTGAGT 960
Oy 961 GGTGGCCTTCAATTTGCTAATTCAGCCCTAAACCCCATCTCTAACAATGACATGTG 1020
Db 961 GGTGGCCTTCAATTTGCTAATTCAGCCCTAAACCCCATCTCTAACAATGACATGTG 1020
Oy 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Oy 1081 AACAGACATCTGCTCAAAAGAAATGACTGCTGATTTTCTGCTAATTTTCTTAT 1140
Db 1081 AACAGACATCTGCTCAAAAGAAATGACTGCTGATTTTCTGCTAATTTTCTTAT 1140
Oy 1141 AGCCGAGTTTCTCAACCTGCGAGCTGCTGCTGCTTAAACAGATTCATTTCCAGT 1200
Db 1141 AGCCGAGTTTCTCAACCTGCGAGCTGCTGCTGCTTAAACAGATTCATTTCCAGT 1200
Oy 1201 ACCCTGCTAGTGCACCTGCTTAAAGAAATGAACTATGCAATGACATCCACAGC 1260
Db 1201 ACCCTGCTAGTGCACCTGCTTAAAGAAATGAACTATGCAATGACATCCACAGC 1260
Oy 1261 GTGCGTAATTTAAGGGGTGATCACCAAGTTTCATTAATTTTCTTATTAAGAGATTT 1320
Db 1261 GTGCGTAATTTAAGGGGTGATCACCAAGTTTCATTAATTTTCTTATTAAGAGATTT 1320
Oy 1321 GTTGGCCAGTGCAGTGTTCATGCTGTAATTCACAGAGTTTGGAGGCTGAGGTGGT 1380
Db 1321 GTTGGCCAGTGCAGTGTTCATGCTGTAATTCACAGAGTTTGGAGGCTGAGGTGGT 1380
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Oy 1381 GGATCACCTGAGTCAAGAGTTTCAGAGCAACTGACCAATGATGATGAGACCCCGCTC 1440
Db 1381 GGATCACCTGAGTCAAGAGTTTCAGAGCAACTGACCAATGATGATGAGACCCCGCTC 1440
Oy 1441 TACTAAAAATTAAGAGTGTGCTGAGAGTGTGCTGAGAGTGTGCTGAGAGTGTGCT 1500
Db 1441 TACTAAAAATTAAGAGTGTGCTGAGAGTGTGCTGAGAGTGTGCTGAGAGTGTGCT 1500
Oy 1501 CTGAGAGGCTGAGACCAAGAGATCTTGAATCTGAGAGGCAAGAGTGTGAGAGGCG 1560
Db 1501 CTGAGAGGCTGAGACCAAGAGATCTTGAATCTGAGAGGCAAGAGTGTGAGAGGCG 1560
Oy 1561 AGATGTCATCTGCACTCCCAACGAGGCAAGAGAGTGAATCTTAAAGAGAGAGAG 1620
Db 1561 AGATGTCATCTGCACTCCCAACGAGGCAAGAGAGTGAATCTTAAAGAGAGAGAG 1620
Oy 1621 AAAAAAAGATTTGTATGAGGCTCTTTAAATGTGAATCTTTTAAATGATGATTA 1680
Db 1621 AAAAAAAGATTTGTATGAGGCTCTTTAAATGTGAATCTTTTAAATGATGATTA 1680
Oy 1681 TGATCAATTTAATTAATTTATTTATGATGATGATGATGATGATGATGATGATG 1740
Db 1681 TGATCAATTTAATTAATTTATTTATTTATGATGATGATGATGATGATGATGATG 1740
Oy 1741 CGG 1743
Db 1741 CGG 1743
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RESULT 3
US-09-261-599B-5
; Sequence 5, Application US/09261599B
; Patent No. 639877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 639877e1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177066
; CURRENT APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1560
; TYPE: DNA
; ORGANISM: Murine ortholog
US-09-261-599B-5
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Query Match 49.7%; Score 866.2; DB 3; Length 1560;
Best Local Similarity 80.5%; Pred. No. 2.7e-170;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;
Oy 30 GCGAGGCGCGGGAATGCTCCCTGAATGCGGCGGCGAGCGGCGGCGGCGGCGGCG 89
Db 181 GCGGAGGCGCGGAGATGCTCCCTGAATGCGGCGGCGAGCGGCGGCGGCGGCGGCG 240
Oy 90 GCGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 149
Db 241 CCTGAGCAAGTGAATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 300
Oy 150 GCGTGTGCTGCGCGCGGTGAGCAACCGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 209
Db 301 GGTGAGTGTGAGGTGTGAGAGCAACCGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Oy 210 TGGCAACGCTGCGCGCGGTGAGCAACCGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 269
Db 361 TGGCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Oy 270 GCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 329
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421 GCTGTGCTCAACCTCTTCTGCGCGGATTTGCTCTTACACAGCGCCATCCCTCTAGTGC 480
330 TGCCCGGTGCTGAGCTGAGGCGCTGCTGCGGGCCCGTGGCTGCTGCTGCTCTCT 389
481 TCGTCGCGCTGAGCTGAGGCGCTGCTGCTGCGGGCCCGTGGCTGCTGCTGCTCTCT 540
390 ACGTGTAGACCTGAGCGGAGCGTCAACATCTCTCAAGCTGCGCGCGGTGACGCTGAGC 449
541 ACGGTAGACAAAGAGGCGGAGCGTCAACATCTCTCAAGCTGCGCGCGGTGACGCTGAGC 600
450 GCATGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 509
601 GCATGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
510 CAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 569
661 CGGCACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
570 TCTTTCGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 629
721 TGTTCCGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
630 TGATTTGGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 689
781 TGATTTGGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
690 TCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 749
841 TCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
750 CATCAAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 809
901 CATGCGGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
810 CCCAGCAGAGCTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 869
961 CCCAACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
870 TGTGAGACCCCATCATCATCATCATCATCATCATCATCATCATCATCATCATCATCATCAT 929
1021 TGTGAGATCCCATCATCATCATCATCATCATCATCATCATCATCATCATCATCATCATCAT 1080
930 TGTGATCTGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 989
1081 TGTGATCTGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
990 TAAACCCCATCTCTCAACATGACATGACATGACATGACATGACATGACATGACATGACAT 1049
1141 TAAACCCCATCTCTCAACATGACATGACATGACATGACATGACATGACATGACATGACAT 1200
1050 GCTTCTGAGTCCGAGAAAGGAGCCATTTTAAACAGACATCTGTCAAAAGAAATGACT 1109
1201 GCTTCTTCTTCTCAAGAAAGGAGCCATTTTAAACAGATCTGTCAAGCGGAAATGACT 1260
1110 TGTGATTAATTTCTGCTAATTTTCTTAAAGCGAGTTTCTCAACCTGCGAGGCT 1169
1261 TGTCTGTTAATTTCAAGCTAA-----CTAGCCTCTGCTGCGAGGTAAACAC 1306
1170 GGCATGCTTTTAAACAGATTCATTTCCAGTACCTCTCATGACATGCTGCTTTAAGA 1229
1307 GGTGTGATGTAAAGGAGGATTAATCTCAAGGAAAGCCACAGTGCCTGCTTTTAA 1366
1230 A-AATGAACCTATGCAATTAACATCAAGCGTGGTAAATTAAGGGGTATCAACAG 1288
1367 ATACCCGACTTCAACAGAGGCACTTACGAGGCGAGCAATTAAGGATGATGCTCAG 1426
1289 TTTTCATATATTTTCCCTTATTAAGGATTTGTTGG 1325
1427 TATTAATAATTTTCTTAAAGAACTTTCTATGG 1463

; Sequence 5, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: Tba1, Fong-Ying
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1560
; TYPE: DNA
; ORGANISM: Murine ortholog
US-09-456-455A-5

Query Match 49.7%; Score 866.2; DB 3; Length 1560;
Best Local Similarity 80.5%; Pred. No. 2; e-170;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

30 GCCAGGCGCGGAGAAATGTCCTCTGAATGCGCGCGGCGAGCGGCGAGCGCCCTTGCGCA 89
181 GCCGGGCGCGCGGAGATGTCCTCTGAATGCGCGAGCAAGAGAGGCGCGCGGCGCGCGCA 240
90 GCTTGAGCAAGCAACCGGACCGGCTTCTCTTCTCTGCAAGTCAAGGCGAGCAACC 149
241 CCTTGAGCAAGCAACCGGACCGGCTTCTCTTCTCTGCAAGTCAAGGCGAGCAACC 300
150 GCTGTGCTGCGCGCGGAGAGCAACGCTGTGAGTCACTTGTGAGTGTGCTGCTGCTGCTG 209
301 GGTGTGCTGAGCGCTGTGAGCAACGCTGTGAGTCACTTGTGAGTGTGCTGCTGCTGCTG 360
210 TGGCAAGAGTGTGCGCTGTGCTGTGCTGTGCGCGCGAGCAAGCGCGCGGCGAGCACTGCT 269
361 TGGCAAGAGTGTGCTGTGCTGTGCTGTGCGCGCGAGCAAGCGCGCGGCGAGCACTGCT 420
270 GCTGTGCTCAACCTTCTGCGCGAGCTGCTCTTCAATGAGGCTATCTCTGCTGCTGCTG 329
421 GCTGTGCTCAACCTTCTGCGCGAGCTGCTCTTCAATGAGGCTATCTCTGCTGCTGCTG 480
330 TGGCGGCGGCTGAGCTGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 389
481 TGTGCTGCTGAGCTGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
390 ACGTGTAGACCTGAGCGGAGGCTGCAACATCTCTCAAGCTGCGCGGCTGAGCTGAGC 449
541 ACGTGTAGACAAAGAGGCGGAGGCTGCAACATCTCTCAAGCTGCGCGGCTGAGCTGAGC 600
450 GCATGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 509
601 GCATGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
510 CAGTGTGCTGCGGCTCATCTGAGGCTAATCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCT 569
661 CGGCACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
570 TCTTTCGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 629
721 TGTTCCGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
630 TGATTTGGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 689
781 TGATTTGGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
690 TCTTGTGCTGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 749
841 TCTGTGCTGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900

Qy	750	TATCAAGGAAGGGCTCACGGTAAGCTTGGCCCTACTCGGAGAGCCACAGATCCGGGTGT	809
Db	901	CATCCGGAGAGGGCTTACGCTGAGCTTGGCATCTCTGAGACCACAGATCCGAGTGT	960
Qy	810	CCACAGAGACTTCCGGCTCTTCCGACCCCTCTCTCCCTCAATGATCTCTCTTATCA	869
Db	961	CCCAACAAAGACTACGAGACTTCCGAGAGCTCTTCCCTGTCANTGTTCTTCTTATCA	1020
Qy	870	TGTGAGCCCCCATCATCATCACCAATCTCTCTCATCTGATCCAGAACTTCAMGAAAGCC	929
Db	1021	TGTGAGATCCCATCATCATCACCAATCTCTCTCATCTGATCCAGAACTTCGCGCAGAGACC	1080
Qy	930	TGGTATCTGGGCGGCGCCCTCTCTCTGGGGTGGGCTTCACATTTGCTAAATTCAGCCC	989
Db	1081	TGGTATCTGGGCGGCGCCCTCTCTCTGGGGTGGGCTTCACATTTGCTAAATTCAGCCC	1140
Qy	990	TAAACCCCATCCTCTACAAACATGACACTGTGCAGAAATGAGGAGAAATTTTGTCT	1049
Db	1141	TAAACCCCATCTGTACAAACATGTGCGCTGTTCAGAGAACGAATGAGAAAGATTTTGTCT	1200
Qy	1050	GCTTCTGGTCTCCAGAAAAGGAGCCATTTTAAACAGACACATCTGTCAAAAGAAATGACT	1109
Db	1201	GCTTCTTTTTCACAGAAAGGAGCCATTTTAAACAGATACGTCGTCCAGGCAAAATGACT	1260
Qy	1110	TGTGATTAATTTCTGCGCTAAATTTTCTTTATATAGCGAGTTTCTCACACCTGGGAGACTGT	1169
Db	1261	TGTGATTAATTTCTGCGCTAAATTTTCTTTATATAGCGAGTTTCTCACACCTGGGAGACTGT	1306
Qy	1170	GGCATGCTTTTAAACAGAGTTCAATTTCCAGTACCCTCCATCAGTGCACCTCGCTTAAAG	1229
Db	1307	GGTGTGCACTGTAAAGGAGTTAACTTCAAGAGAAAGCCACAGTGGCCCTGTTTAAAA	1366
Qy	1230	A-AATGAACCTATGCAAAATGACATCCACAGCGTCGGTAAATTAAGGGGTGATCACCAG	1288
Db	1367	ATACCCGACTTCCAACAGCAGCGACTCTACGGAGCCAGCAAAATTAAGAAATGATCGCTCAG	1426
Qy	1289	TTTCAATAATTTTCCCTTATAAAGATTTGTGG	1325
Db	1427	TATATAAAATATTTTCTTAAAGAACTTTCTATGTGG	1463

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RESULT 5
US-09-949-016-15580
Sequence 15580, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLO01307
CURRENT FILING DATE: 2000-04-14
PRIORITY APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 15580
LENGTH: 71574
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: mbc_feature
LOCATION: (1)...(71574)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15580

Query Match      13.5%   Score 234.6: DB 3; Length 71574;
Best Local Similarity    81.2%;   Pred.No.7,3e-39;
Matches 298; Conservative 0; Mismatches 64; Indels 5; Gaps 2;

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Qy	1272	AAAGGGGGAATCACCAGATTTCATTAATATTTCCCTTTATAAAAAGATTGTGGCAGAT	1331
Db	64884	AAAGACTAACCAACCATATGTTCAACACATCTTGGCATAAACTCAGATGCTGAAGGCCAGGC	64943
Qy	1332	GCAAGTGTTATCAGCTCTGATATCCAGACAGTTTGGAGGCTGAGTGATGATCACTGA	1391
Db	64944	GCAATGGCTCAGGCTCTGATATCCAGACATTTGGAGGCTGAGAGGGGTGATCACTGGA	65003
Qy	1392	GGTCAAGAGTTGCAAGACCAACTGACCAACATGTGTAGACCCCCGCTCTTACTTAAAAATA	1451
Db	65004	GGTCAAGGGGTTCAAGACCAAGCCTGACCAACATGTGTA-AAACCCGCTCTTACTTAAAAAT-	65061
Qy	1452	AAAAAAAAAATTGACGTGGGAGTGTGTGGGACACTGTATCTCTAGTACTTGGGAGGCT	1511
Db	65062	---ACAAAATATAGCTGTGGGCAATGTGTGGGAGGCTCTGATATCCAGCTACTTGGGAGGCT	65118
Qy	1512	GAACCAAGAGAAATCTTTGAACTGTGGGAGGCAAGAGGTGCACTGAGCCGAGATCTGTGCCA	1571
Db	65119	GAGGCAAGAGAAATCGTCTTGAAACCCAGAGGAGGATGTCATGAGCGAGATTCGCACCA	65178
Qy	1572	TTGCACTCCAAACAAGGCAACAAGAGTAACTCCATCTTAAAAAATTTTTAAAAAAGAT	1631
Db	65179	CTGCACCTCCAGCCTGTGGGCAACAAGAGCGAAATCCATCTCAAAAAAAGAAAAAAGAACT	65238
Qy	1632	TTGTAT 1638	
Db	65239	CCATGAT 65245	

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RESULT 6
US-09-949-016-136815
: Sequence 136815, Application US/09949016
: Patent No. 6812339
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: CLO01307
: CURRENT APPLICATION NUMBER: US/09/949,016
: PRIOR FILING DATE: 2000-04-14
: PRIOR APPLICATION NUMBER: 60/241,755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 136815
: LENGTH: 601
: TYPE: DNA
: ORGANISM: Human
US-09-949-016-136815

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	Query Match	13.4% ; Score 234.2 ; DB 3 ; Length 601 ;
	Best Local Similarity	80.9% ; Pred. No. 2,1e-39 ;
	Matches 297 ; Conservative 1 ; Mismatches 64 ; Indels 5 ; Gaps 2 ;	
Oy	1272 AAGGGGTGATCCACCAAGTTTCATAATATTTTCCCTTAATAAAGAGATTGTGGCCAGCT	1331
Db	108 AAGAATACACCACCATAGTTCAACATTTGGCATAAAACTCCATGAATCGAAGGCCAGGC	167
Oy	1332 GCAGTGTTGATGCTCTTAATCCGACAGATTGGAGAGCTGAGGTGGGTGANTCACCTGA	1391
Db	168 GCATGTGCTCACGCTCTTAATCCGACGACCTTTGGAGAGCTGAGAGCGGTGATCATCTGA	227
Oy	1392 GGTGAGAGTTTCGAGACAACCTGACCAAACTGTTGAGACCCCCCTCTCACTAAAATA	1451
Db	228 GGATGAGGGTTCAAGACCAGCTTGACCAACATGTGA-AAACCCGCTCTTACTAAAAAT-	285
Oy	1452 AAAAAAAAAATTAGCTGGAGGTGTGTGGGCACCTGTAATCTTAGCTACTTGGAGGCT	1511

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Db      286  --ACAAAATTAAGCTGRCATGTCGTGGCGGCGCTGTATCCAGCTACTTGGAGGCT 342
Oy      1512  GAACCAAGAGAAATCTCTTTAAACCTGGAGGACAGAGTTGCATGTCGAGCCGAGATCTGCGCA 1571
Db      343  GAGGACAGGAAATCGTTTAAACCCAGAGGACAGAGTTGCATGTCGAGCCGAGATCGACCA 402
Oy      1572  TTGCACTCCCAACGAGGCAACAAGAGTGAATCCATCTTAAAAAAGAT 1631
Db      403  CTGCATCCAGCTGGGCGACAGAGCGAACTTCATTCAAAAAAGAAAAAAGCT 462
Oy      1632  TTGTTAT 1638
Db      463  CCATGAT 469

RESULT 7
US-09-949-016-12710
; Sequence 12710, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMERPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12710
; LENGTH: 78720
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(78720)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12710

Query Match      13.4%; Score 234; DB 3; Length 78720;
Best Local Similarity 80.1%; Pred. No. 1e-38;
Matches 301; Conservative 0; Mismatches 70; Indels 5; Gaps 2;

Oy      1289  TTTCATAATTTTCCCTTTATTAAGAATTTGGCCAGGTCAGTGGTTATCCCTG 1348
Db      51917  TTTCATTAATGGCATTTTAAATATTAATTAAGTATGAGCTGGGTCAGTGGCTCACACAG 51976
Oy      1349  TAATCCAGCAGATTGGAGAGCTGAGTGGTGATCACCTGAGTCAGAGTTCCAGAC 1408
Db      51977  TAATCCAGCATTGGGAGGCTGAGGCGGGTAAATCACTGAGTCCAGAGTTCCAGAC 52036
Oy      1409  CAACCTGACCAACATGTCGAGACCCCGTCTTACTTAAAAATAAAAAATTAAGCTG 1468
Db      52037  CAGCTGGGCAACATGTCGTA- AACCCATCTCTACTAAAAAT- - -ACAGAAATTAAGCTG 52091
Oy      1469  GGAGTGTGTGGGCACTGTAACTTACTACTTGGGAGGCTGAACAGAGAAATCTCT 1528
Db      52092  GGTGTGGCAGTGCACACTGTAACTCCAGCTACTTGGGAGGCTGAGGACAGAGAAATCTCT 52151
Oy      1529  TGAACCTGGAGGACAGAGTTGCATGAGCCGAGATCGTGCATTCACCTCAACAGAGG 1588
Db      52152  TAAACCTGGGAGGACAGAGTTGCATGAGCCGAGACCGTGCATTCACCTCCAGCTGGG 52211
Oy      1589  CAACAAGTGAACCTCATCTTAAAAAAGATTTGTTATGGGTTCTTT 1648
Db      52212  TGACAAGAGTGAATTCATCTCAAAAAAATTAATTAATTAATCATGTAACCCCTGCTTT 52271
Oy      1649  TAAATGTGAATTTTT 1664

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Db      52272   TTAAAGATMAAATGTT 52287

RESULT 8
US-09-949-016-17283
; Sequence 17283, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.,
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17283
; LENGTH: 78720
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(78720)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17283

Query Match          13.4%; Score 234; DB 3; Length 78720;
Best Local Similarity 80.1%; Pred. No. 1e-38;
Matches 301; Conservative 0; Mismatches 70; Indels 5; Gaps 2;

QY      1289   TTTCAATAATTTTTCCCTTATTAAGAATTGTGGCCAGTGACATGCTTCATGCCCTG 1348
DB       51917   TTTCATTCATATGGCATTTTAAAAATTAATGAAGGCTGGGTGCAGTGGCTCACACAG 51976

QY      1349   TAATCCGACGATTTGGGAGCGTGAGTGATGATCAGTGAAGTCAGAGTTGAGAC 1408
DB       51977   TAAITCCGACACTTTGGGAGCGTGAGCGGTGAATCATCTAGGTCAAGAGTTCCAGAC 52036

QY      1409   CAACCTGACCACAATGTTGAGACCCCGTCTCTACTAAAATAAAAAAAAAATTAGCTG 1468
DB       52037   CAGCTGGCCACAACATGATGA-AAACCCATCTCTACTAAAATA---ACAGAAATTAATCG 52091

QY      1469   GGAATGATGATGGGACCTGTATCTTAGCTACTTGGGAGCGTGAACCGAGAAATCTCT 1528
DB       52092   GGATGGGACGTGAGCAACTGTATCTCCAGCTACTTGGGAGCGGTGAAGCGAGAAATCTCT 52151

QY      1529   TGAACCTGGAGGCGAGAGGTTGCACTGAGCCGAGATCGGCAATTCACCTCCAACAGGG 1588
DB       52152   TAAACCTGGAGGCGAGAGGTTGCACTGAGCCGAGACCGTGCAATTCACCTCCAGCTGGG 52211

QY      1589   CAACAGAGTGAATACTCCATCTTTAAAAAATAAAAAAAAAAAGATTGTTATGGGTTCCCTT 1648
DB       52212   TGACAAAGAGTGAATAATCCATCTCABAAAAATAATAATAATAATTAATTAATGATCCCCCTGCTTT 52271

QY      1649   TAAATGTAATCTTTT 1664
DB       52272   TTAAAGATMAAATGTT 52287

RESULT 9
US-09-949-016-11755
; Sequence 11755, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.,
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

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; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 11755
; LENGTH: 144158
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(144158)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11755

Query Match      13.4%; Score 233.4; DB 3; Length 144158;
Best Local Similarity 83.3%; Pred. No. 1.6e-38;
Matches 279; Conservative 0; Mismatches 51; Indels 5; Gaps 1;

QY 1306 TTTTAAAGAGATTGTTGGCCAGATGTCAGTGGTTTCATGCTGTAATCCAGCACTTTGG 1365
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44636 TATATCAAGATTTAATAGCCGGGTGCGTGGCTCAGCTTGTATCCGACCTTTGG 44695

QY 1366 GAGCGTAGGTGGGTGATCACTGAGGTGAGAGTGGAGACCAACTGACCAACATGG 1425
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44696 GAGCCGAGGGCGGCGGATCACTGAGGTCCGAGATTGAGACCAAGCTGACCAATGG 44755

QY 1426 TGAGACCCCGCTCTCTACTATAAAATTAAGCTGGAGTGTGTGTGGGAC 1485
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44756 AGAAACCCCGCTCTCTACTATAAAAT-----ACAAATTAAGCCGGGCATGGTGGGCATGC 44810

QY 1486 CTGTAACTCTAGCTACTTGGAGGCTGACAGAGAAATCTTTGAACCTTGGAGGCGAGA 1545
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44811 CTGTAACTCCAGCTACTCTGAGGCTGAGCGAGAGATGCTTGAACCCGAGGCGCGA 44870

QY 1546 GGTTCAGTAGCGGAGATCGTGCATTGCACTCCAAACGAGGCAAGAGTGAATCTC 1605
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44871 GGTTCGTGTAGCGGAGATCGGCTGATTCCTGCGCTTGGCGAACAAGTGAATCTC 44930

QY 1606 CATCTTAAAAAAGATTGTTATG 1640
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44931 CATCTCAAAAAAAGATTGTTATG 44965

RESULT 10
US-09-949-016-12936
; Sequence 12936, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 12936
; LENGTH: 144158
; TYPE: DNA
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; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(144158)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12936

Query Match      13.4%; Score 233.4; DB 3; Length 144158;
Best Local Similarity 83.3%; Pred. No. 1.6e-38;
Matches 279; Conservative 0; Mismatches 51; Indels 5; Gaps 1;

QY 1306 TTTTAAAGAGATTGTTGGCCAGATGTCAGTGGTTTCATGCTGTAATCCAGCACTTTGG 1365
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44636 TATATCAAGATTTAATAGCCGGGTGCGTGGCTCAGCTTGTATCCGACCTTTGG 44695

QY 1366 GAGCGTAGGTGGGTGATCACTGAGGTGAGAGTGGAGACCAACTGACCAACATGG 1425
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44696 GAGCCGAGGGCGGCGGATCACTGAGGTCCGAGATTGAGACCAAGCTGACCAATGG 44755

QY 1426 TGAGACCCCGCTCTCTACTATAAAATTAAGCTGGAGTGTGTGTGGGAC 1485
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44756 AGAAACCCCGCTCTCTACTATAAAAT-----ACAAATTAAGCCGGGCATGGTGGGCATGC 44810

QY 1486 CTGTAACTCTAGCTACTTGGAGGCTGACAGAGAAATCTTTGAACCTTGGAGGCGAGA 1545
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44811 CTGTAACTCCAGCTACTCTGAGGCTGAGCGAGAGATGCTTGAACCCGAGGCGCGA 44870

QY 1546 GGTTCAGTAGCGGAGATCGTGCATTGCACTCCAAACGAGGCAAGAGTGAATCTC 1605
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44871 GGTTCGTGTAGCGGAGATCGGCTGATTCCTGCGCTTGGCGAACAAGTGAATCTC 44930

QY 1606 CATCTTAAAAAAGATTGTTATG 1640
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44931 CATCTCAAAAAAAGATTGTTATG 44965

RESULT 11
US-09-621-976-13665/C
; Sequence 13665, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 13665
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-13665

Query Match      13.4%; Score 233; DB 3; Length 471;
Best Local Similarity 79.3%; Pred. No. 3.5e-39;
Matches 283; Conservative 4; Mismatches 69; Indels 1; Gaps 1;

QY 1289 TTTTCAATATTTTCCCTTTATAAAGATTGTTGGCCAGGTGCGACTGATGCTG 1348
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 378 TTTTCAATATTTTCTTTTAAACAATTTGGGCGGCGACGGTGTCTCACACTG 319

QY 1349 TAAATCCAGCAGTTTGGAGGCTGAGGTGGGTGATCACTGAGTCAAGAGTTGAGAC 1408
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 318 TAAATCCAGTACTTTTGAAGCGGAGGTGGCTGATCACTGAGTCAAGAGTTGAGAAC 259

QY 1409 CAACCTGACCAACAGTGTGAGACCCCGCTCTTACTTAATAAATAAATAAATAAATTGCT 1467
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 258 CAGCTTACCAACAGTGTGAGACCCCGCTCTTACTTAATAAATAAATAAATAAATAAATTGCT 199

QY 1468 GGGAGTGTGTGGGACCTGTATCTTACTTGGAGGCTGAACGAGAAATCTC 1527
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:53:08 ; Search time 163 Seconds
(without alignments)
925.377 Million cell updates/sec

Title: US-10-077-698-4

Perfect score: 1853
Sequence: 1 MSPECAQTGTGPGSHTLDOV.....KGAIFDTSVRRNDLSVIS 361

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBSCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBSCOMB.pep:*
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4: /cgn2_6/ptodata/1/pubpaa/US10_PUBSCOMB.pep:*
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6: /cgn2_6/ptodata/1/pubpaa/US11_PUBSCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1853	100.0	361	4 US-10-086-181-5	Sequence 5, Appli
2	1853	100.0	361	4 US-10-077-698-4	Sequence 4, Appli
3	1853	100.0	361	4 US-10-171-027-4	Sequence 4, Appli
4	1853	100.0	361	4 US-10-075-987-4	Sequence 4, Appli
5	1591	85.9	361	3 US-09-992-331-2	Sequence 2, Appli
6	1591	85.9	361	4 US-10-015-458-2	Sequence 2, Appli
7	1591	85.9	361	4 US-10-086-181-2	Sequence 2, Appli
8	1591	85.9	361	4 US-10-077-698-1	Sequence 1, Appli
9	1591	85.9	361	4 US-10-171-027-1	Sequence 1, Appli
10	1591	85.9	361	4 US-10-075-987-1	Sequence 1, Appli
11	1591	85.9	361	5 US-10-149-826-20	Sequence 20, Appli
12	1591	85.9	599	5 US-10-505-486-32	Sequence 32, Appli
13	1583	85.4	361	3 US-09-995-225-8	Sequence 8, Appli
14	1583	85.4	361	3 US-09-995-225-8	Sequence 8, Appli
15	1576.5	85.1	360	4 US-10-262-313-2	Sequence 2, Appli
16	1576.5	85.1	360	4 US-10-768-878-2	Sequence 2, Appli
17	1533	82.7	300	4 US-10-075-987-7	Sequence 7, Appli
18	1533	82.7	300	4 US-10-075-987-7	Sequence 7, Appli
19	1523	82.2	361	4 US-10-225-567A-682	Sequence 682, App
20	1353	73.0	300	4 US-10-077-698-6	Sequence 6, Appli
21	1353	73.0	300	4 US-10-075-987-6	Sequence 6, Appli
22	804	43.4	221	4 US-10-116-252-12	Sequence 12, Appli
23	804	43.4	221	4 US-10-017-161-1810	Sequence 1810, Ap
24	804	43.4	221	4 US-10-292-798-1466	Sequence 1466, Ap
25	547	29.5	129	4 US-10-276-774-1615	Sequence 1615, Ap
26	536	28.9	356	3 US-09-791-932-70	Sequence 70, Appli
27	455	24.6	140	3 US-09-791-932-93	Sequence 93, Appli

28	315.5	17.0	339	4 US-10-087-192-1467	Sequence 1467, Ap
29	310	16.7	347	4 US-10-262-313-10	Sequence 10, Appli
30	310	16.7	347	4 US-10-262-313-10	Sequence 10, Appli
31	310	16.7	348	3 US-09-992-331-10	Sequence 10, Appli
32	310	16.7	348	4 US-10-090-569-2	Sequence 2, Appli
33	310	16.7	348	4 US-10-212-980-5	Sequence 5, Appli
34	310	16.7	348	4 US-10-081-810-54	Sequence 54, Appli
35	310	16.7	348	4 US-10-278-087A-46	Sequence 46, Appli
36	310	16.7	395	2 US-08-900-220-5	Sequence 5, Appli
37	304	16.4	345	4 US-10-262-313-11	Sequence 11, Appli
38	304	16.4	345	4 US-10-254-905-10	Sequence 10, Appli
39	304	16.4	345	4 US-10-359-285-5	Sequence 5, Appli
40	304	16.4	345	4 US-10-768-878-11	Sequence 11, Appli
41	304	16.4	346	2 US-08-899-112-32	Sequence 32, Appli
42	304	16.4	346	3 US-09-966-782A-10	Sequence 10, Appli
43	304	16.4	346	3 US-09-992-331-11	Sequence 11, Appli
44	304	16.4	346	3 US-09-825-751A-83	Sequence 83, Appli
45	304	16.4	346	3 US-09-771-287-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1					
US-10-086-181-5					
; Sequence 5, Application US/10086181					
; Publication No. US20020177151A1					
; GENERAL INFORMATION:					
; APPLICANT: GIMENO, Ruth					
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC					
; FILE REFERENCE: NMI-220					
; CURRENT FILING DATE: 2002-02-26					
; PRIOR APPLICATION NUMBER: 60/271,655					
; PRIOR FILING DATE: 2001-02-26					
; NUMBER OF SEQ ID NOS: 16					
; SOFTWARE: PasteSeq for Windows Version 4.0					
; SEQ ID NO 5					
; LENGTH: 361					
; TYPE: PRT					
; ORGANISM: Murine ortholog					
US-10-086-181-5					
Query Match					
Best Local Similarity 100.0%; Score 1853; DB 4; Length 361;					
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
Qy	1	MSPECAQTGTGPGSHTLDOVNRTHPPFSVKGDRVLVSVEVTYGLIFVSLGVC	60		
Db	1	MSPECAQTGTGPGSHTLDOVNRTHPPFSVKGDRVLVSVEVTYGLIFVSLGVC	60		
Qy	61	ALVAVARRRRGASASLVNLFCDLFTSAIPVLVVRTEAVLGPVVCCHLFFYMTM	120		
Db	61	ALVAVARRRRGASASLVNLFCDLFTSAIPVLVVRTEAVLGPVVCCHLFFYMTM	120		
Qy	121	SGSVTITLLAASVIERVNCIVRLRGISGGRTOALLAFIWSYALALPIYLFRVV	180		
Db	121	SGSVTITLLAASVIERVNCIVRLRGISGGRTOALLAFIWSYALALPIYLFRVV	180		
Qy	181	PORLPGGDORIPCTLDMPNRIGISWDVFETLNFVGLVIVISYSLIQTIKARKR	240		
Db	181	PORLPGGDORIPCTLDMPNRIGISWDVFETLNFVGLVIVISYSLIQTIKARKR	240		
Qy	241	LTLSLAESSHQIRVSOQDRLFTTLAVSFFIMSPILITLILIONFRODLVIMP	300		
Db	241	LTLSLAESSHQIRVSOQDRLFTTLAVSFFIMSPILITLILIONFRODLVIMP	300		
Qy	301	SLPFWVVAFFPANSALNPILYNNSLFNNRKKIFCCFPPEKGAIFDTSVRRNDLSVIS	360		
Db	301	SLPFWVVAFFPANSALNPILYNNSLFNNRKKIFCCFPPEKGAIFDTSVRRNDLSVIS	360		
Qy	361	S 361			

Oy 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYNTM 120
Db 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYNTM 120
Oy 121 SGSVTITLLAASLERMVCIVLRGLSGPGRTOAALLAFIWSASALAPLYTLFRVV 180
Db 121 SGSVTITLLAASLERMVCIVLRGLSGPGRTOAALLAFIWSASALAPLYTLFRVV 180
Oy 181 PORLPGDOEIPICITLDMPNRIGESIMDVFEFTLFLVPGLVIVISYSKILQITKASRR 240
Db 181 PORLPGDOEIPICITLDMPNRIGESIMDVFEFTLFLVPGLVIVISYSKILQITKASRR 240
Oy 241 LTLASLASESHQIRVSQODYRLFTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
Db 241 LTLASLASESHQIRVSQODYRLFTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
Oy 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
Oy 361 S 361
Db 361 S 361

RESULT 5
US-09-992-331-2
; Sequence 2, Application US/09992331
; Publication No. US20030022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTIER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBWY18,
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992.331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/248,483
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-992-331-2

Query Match 85.9%; Score 1591; DB 3; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

Db 181 PORLPGADQEISICTLIMPTIRGEISMDVSFVTLNPLVPGLVIVISYSKILQITKASRR 240
Oy 241 LTLASLASESHQIRVSQODYRLFTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
Db 241 LTLASLASESHQIRVSQODYRLFTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
Oy 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360

RESULT 6
US-10-015-498-2
; Sequence 2, Application US/10015498
; Publication No. US20020151705A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Kelli E.
; APPLICANT: Quan, Yong
; TITLE OF INVENTION: DNA Encoding Orphan SMORF49 Receptor
; FILE REFERENCE: 60134
; CURRENT APPLICATION NUMBER: US/10/015,498
; CURRENT FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US/09/412,933
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-015-498-2

Query Match 85.9%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

Oy 1 MSPCAQTGPGPHTLDQVNRTHPPFSDVKGDRHLVLSVETTVGLIFVSLGNGC 60
Db 1 MSPCARAAGDAPLRSLDQANRTRPPFSDVKGDRHLVLSVETTVGLIFVSLGNGC 60
Oy 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYNTM 120
Db 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYNTM 120
Oy 121 SGSVTITLLAASLERMVCIVLRGLSGPGRTOAALLAFIWSASALAPLYTLFRVV 180
Db 121 SGSVTITLLAASLERMVCIVLRGLSGPGRTOAALLAFIWSASALAPLYTLFRVV 180
Oy 181 PORLPGADQEIPICITLDMPNRIGESIMDVFEFTLFLVPGLVIVISYSKILQITKASRR 240
Db 181 PORLPGADQEIPICITLDMPNRIGESIMDVFEFTLFLVPGLVIVISYSKILQITKASRR 240
Oy 241 LTLASLASESHQIRVSQODYRLFTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
Db 241 LTLASLASESHQIRVSQODYRLFTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
Oy 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360

RESULT 7
US-10-086-181-2
; Sequence 2, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: CIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: NMI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655

Db 181 PORLPAGADEISICTILWPTIPGEISWDVSVTLNPLVGLVIVISYSKILQTTKASRRK 240
Qy 241 LTTSLAVSSHQIRVSGQDRLFRPTFLMLVSPFIMMSPIITITLILIONFRQDLYIMP 300
Db 241 LTVSLAVSSHQIRVSGQDRLFRPTFLMLVSPFIMMSPIITITLILIONFRQDLYIMP 300
Qy 301 SLFFWVAFTFANSALNPILYNNMSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVAFTFANSALNPILYNNMTLCRNEMKIFCCFPPEKGAILTDTSVKNDLSIIS 360

RESULT 13
US-09-995-225-8
Sequence 8, Application US/09995225
Publication No. US20020193584A1
GENERAL INFORMATION:
APPLICANT: Chen, Kuoping
APPLICANT: Chu, Zhi Liang
APPLICANT: Dang, Huong T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Pride, Cameron
TITLE OF INVENTION: Endogenous And No. US20020193584A1-Endogenous Versions of Human G
FILE REFERENCE: AREN-0308
CURRENT APPLICATION NUMBER: US/09/995,225
PRIOR FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: PET/US99/23938
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/253,404
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/255,366
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/270,286
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282,365
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/270,266
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282,032
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282,358
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282,356
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/290,917
PRIOR FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/309,208
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 67
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 361
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: No. US20020193584A1el Sequence
US-09-995-225-8

Query Match 85.4%; Score 1583; DB 3; Length 361;
Best Local Similarity 85.6%; Pred. No. 1.9e-142;
Matches 308; Conservative 19; Mismatches 33; Indels 0; Gaps 0;
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Db 1 MSTECARAAAGDAPLRSLRQANRTRFPFSDVKGDRHLVLA VETTVLVLFAVSLGNVC 60
Qy 61 ALTVVARRRRGASASIVLNLFCADLLFTSAIPVLVVRNTEAMLGPAVVCCHLLFYVTM 120
Db 61 ALTVVARRRRRGATACIVLNLFCADLLFSAIPVLVVRNTEAMLGPAVVCCHLLFYVTM 120

Qy 121 SGGVTILTLAAVSLERWCVLRRLRGSGPGRRTQALLAFIWGSALAALPDYILFRVY 180
Db 121 SGGVTILTLAAVSLERWCVIHLQRGVRGPGRRARAVALLIMGSAVALPLCVFRRVY 180
Qy 181 PORLPAGDDEIPCTIDWNRIRGEISWDVFFETLNLVGLVIVISYSKILQTTKASRRK 240
Db 181 PORLPAGDDEISICTILWPTIPGEISWDVSVTLNPLVGLVIVISYSKILQTTKASRRK 240
Qy 241 LTTSLAVSSHQIRVSGQDRLFRPTFLMLVSPFIMMSPIITITLILIONFRQDLYIMP 300
Db 241 LTVSLAVSSHQIRVSGQDRLFRPTFLMLVSPFIMMSPIITITLILIONFRQDLYIMP 300
Qy 301 SLFFWVAFTFANSALNPILYNNMSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVAFTFANSALNPILYNNMTLCRNEMKIFCCFPPEKGAILTDTSVKNDLSIIS 360

RESULT 14
US-09-995-225-8
Sequence 8, Application US/09995225
Publication No. US20030139588A9
GENERAL INFORMATION:
APPLICANT: Chen, Kuoping
APPLICANT: Chu, Zhi Liang
APPLICANT: Dang, Huong T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Pride, Cameron
TITLE OF INVENTION: Endogenous And No. US20030139588A9-Endogenous Versions of Human
FILE REFERENCE: AREN-0308
CURRENT APPLICATION NUMBER: US/09/995,225
PRIOR FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: PET/US99/23938
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/253,404
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/255,366
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/270,286
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282,365
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/270,266
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282,032
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282,358
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282,356
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/290,917
PRIOR FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/309,208
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 67
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 361
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: No. US20030139588A9el Sequence
US-09-995-225-8

Query Match 85.4%; Score 1583; DB 3; Length 361;
Best Local Similarity 85.6%; Pred. No. 1.9e-142;
Matches 308; Conservative 19; Mismatches 33; Indels 0; Gaps 0;
Qy 1 MSPECAQTGPSPSHTLDOVNRTHFPFSDVKGDRHLVLSVETTVLGLIFVWSLLGNVC 60
Db 1 MSTECARAAAGDAPLRSLRQANRTRFPFSDVKGDRHLVLA VETTVLVLFAVSLGNVC 60

Job time : 165 secs

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DB 61 ALVIVARRRRRGATACLVNLFCAIDLFTSAIPVLVVRWTEAWLGPVCHLLFYVMTL 120
QY 121 SGSVTITTLAAVSLERNVCIVRLRGLSGPGRTOALLAFIMGYSALALPLYILFRVV 180
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DB 121 SGSVTITTLAAVSLERNVCIVHLOGRGVGRPRBARAVLALIMGYSAAALPLCVFRVV 180
QY 181 PORLPGDDOEIPICITLMPNRIIGISMDVPEETINFLVPGLVIVISYSKILQITKASRR 240
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 PORLPGADOEISICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
QY 241 LTVSLAYSESHQIRVSQODVRLFRTLFLWVSPFIMSPITITILLIQNFRODLVIWP 300
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 241 LTVSLAYSESHQIRVSQODFRLFRTLFLWVSPFIMSPITITILLIQNFRODLVIWP 300
QY 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 301 SLFFWVVAFTFANSALNPILYNMTLCRNEMKIFCCFPPEKGAILTDTSVKRDLSIIS 360
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RESULT 15

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US-10-262-313-2
; Sequence 2, Application US/10262313
; Publication No. US20030129653A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRPMY18, EXPRESSED HIGH
; TITLE OF INVENTION: PITUITARY GLAND AND COLON CARCINOMA CELLS
; FILE REFERENCE: D0048 CIP
; CURRENT APPLICATION NUMBER: US/10/262,313
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-313-2
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Query Match 85.1%; Score 1576.5; DB 4; Length 360;
Best Local Similarity 85.6%; Pred. No. 86-142;
Matches 308; Conservative 19; Mismatches 32; Indels 1; Gaps 1;
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QY 1 MSPECAQTGPGPSHTLDQVNRTHPPFSDYKGDHRLVLSVETTVGLIFVVS LGNVC 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 MSPECARADGADAPLRSLAQNRTRPPFSDYKGDHRLVLAVENTTVLIFAVSLGNVC 60
QY 61 ALVIVARRRRRGASASLVNLFCAIDLFTSAIPVLVVRWTEAWLGPVCHLLFYVMTM 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 61 ALVIVARRRRRGATACLVNLFCAIDLFTSAIPVLVVRWTEAWLGPVCHLLFYVMTL 120
QY 121 SGSVTITTLAAVSLERNVCIVRLRGLSGPGRTOALLAFIMGYSALALPLYILFRVV 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 SGSVTITTLAAVSLERNVCIVHLOGRGVGRPRBARAVLALIMGYSAAALPLCVFRVV 179
QY 181 PORLPGDDOEIPICITLMPNRIIGISMDVPEETINFLVPGLVIVISYSKILQITKASRR 240
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 PORLPGADOEISICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 239
QY 241 LTVSLAYSESHQIRVSQODVRLFRTLFLWVSPFIMSPITITILLIQNFRODLVIWP 300
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 241 LTVSLAYSESHQIRVSQODFRLFRTLFLWVSPFIMSPITITILLIQNFRODLVIWP 299
QY 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 301 SLFFWVVAFTFANSALNPILYNMTLCRNEMKIFCCFPPEKGAILTDTSVKRDLSIIS 359
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Search completed: December 5, 2005, 09:06:45

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:53:28 : Search time 11 Seconds
(without alignments)
157.144 Million cell updates/sec

Title: US-10-077-698-4
Perfect score: 1853
Sequence: 1 MSPECAQTGTCGSHITDQV.....KGALFTDTSVRNLSVISS 361

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 26661 seqs, 4788334 residues

Total number of hits satisfying chosen parameters: 26661

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA New:*
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4: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/PC1_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	536	28.9	356	US-10-980-388-70	Sequence 70, Appl
2	455	24.6	140	US-10-980-388-93	Sequence 93, Appl
3	234.5	12.7	355	US-11-068-686-4	Sequence 4, Appl1
4	233	12.6	417	US-10-992-577-44	Sequence 44, Appl
5	230.5	12.4	420	US-10-992-577-6	Sequence 6, Appl1
6	230.5	12.4	522	US-10-510-018-2	Sequence 2, Appl1
7	224	12.1	415	US-10-627-633-2	Sequence 2, Appl1
8	218.5	11.8	432	US-10-992-577-2	Sequence 2, Appl1
9	218	11.8	350	US-10-502-145-1	Sequence 1, Appl1
10	216	11.7	419	US-11-067-884-8	Sequence 8, Appl1
11	212.5	11.5	430	US-10-992-577-8	Sequence 8, Appl1
12	202	10.9	352	US-11-068-686-20	Sequence 20, Appl
13	201	10.8	352	US-10-627-633-6	Sequence 6, Appl1
14	201	10.8	409	US-10-627-633-4	Sequence 4, Appl1
15	194	10.5	350	US-11-068-686-2	Sequence 2, Appl1
16	187.5	10.1	342	US-10-980-388-117	Sequence 117, App
17	186.5	10.1	440	US-10-980-388-118	Sequence 118, App
18	170.5	9.2	440	US-10-502-893-2	Sequence 2, Appl1
19	156.5	8.4	358	US-10-980-388-96	Sequence 96, Appl
20	156.5	8.4	389	US-10-980-388-116	Sequence 116, App
21	155.5	8.4	337	US-10-980-388-115	Sequence 115, App
22	154.5	8.3	364	US-11-067-884-2	Sequence 2, Appl1
23	149	8.0	353	US-11-067-884-6	Sequence 6, Appl1
24	147	7.9	485	US-10-821-234-934	Sequence 934, App
25	139.5	7.5	508	US-10-980-388-112	Sequence 112, App

26	129.5	7.0	351	US-11-067-884-4	Sequence 4, Appl1
27	125.5	6.8	360	US-10-851-667A-26	Sequence 26, Appl
28	107	5.8	204	US-10-980-388-68	Sequence 68, Appl
29	101	5.5	313	US-11-095-093-2	Sequence 2, Appl1
30	99	5.3	177	US-10-980-388-94	Sequence 94, Appl1
31	93	5.0	928	US-10-841-129-4	Sequence 4, Appl1
32	92.5	5.0	333	US-10-980-388-114	Sequence 114, App
33	92.5	5.0	339	US-10-821-234-1085	Sequence 1085, App
34	92	5.0	350	US-11-095-624-3	Sequence 3, Appl1
35	86	4.6	287	US-10-980-388-56	Sequence 66, Appl
36	85.5	4.6	181	US-10-980-388-100	Sequence 100, App
37	85.5	4.6	333	US-10-980-388-91	Sequence 91, Appl
38	85	4.6	350	US-11-095-624-4	Sequence 4, Appl1
39	83	4.5	336	US-10-980-388-120	Sequence 120, App
40	83	4.5	449	US-10-821-234-1075	Sequence 1075, App
41	83	4.5	928	US-10-841-129-6	Sequence 6, Appl1
42	82.5	4.5	311	US-10-980-388-111	Sequence 111, App
43	82.5	4.5	311	US-10-980-388-113	Sequence 113, App
44	82.5	4.5	391	US-11-082-389-172	Sequence 172, App
45	82.5	4.5	391	US-11-082-389-174	Sequence 174, App

ALIGNMENTS

```
RESULT 1
US-10-980-388-70
; Sequence 70, Application US/10980388
; Publication No. US20050255490A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Parodi, Luis A.
; APPLICANT: Hiebsch, Ronald R.
; APPLICANT: Lind, Peter
; APPLICANT: Kaytee, Paul S.
; APPLICANT: Huff, Valerie
; APPLICANT: Huff, Rita M.
; APPLICANT: Wood, Linda S.
; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
; FILE REFERENCE: 00325.US1
; CURRENT APPLICATION NUMBER: US/10/980,388
; CURRENT FILING DATE: 2004-11-02
; PRIOR APPLICATION NUMBER: US/09/791,932
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/184,305
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,304
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,303
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,397
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,247
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/188,880
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/217,369
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/217,370
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/218,492
; PRIOR FILING DATE: 2000-07-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 70
; LENGTH: 356
; TYPE: PRT
; ORGANISM: Homo sapiens
;
Query Match      28.9%; Score 536; DB 6; Length 356;
Best Local Similarity 73.2%; Pred. No. 3,7e-35;
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RESULT 4
US-10-992-577-44
; Sequence 44, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; TITLE OF INVENTION: And Uses Thereof
; FILE REFERENCE: 57155-D/JPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-992-577-44

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Query Match Similarity 12.6%; Score 23; DB 6; Length 417;
Best Local Similarity 23.8%; Pred. No. 2.6e-13;
Matches 82; Conservative 70; Mismatches 141; Indels 52; Gaps 16

Dy 21 NRTHPPPSDVYKD-----HRLVSVVETTVLGLIFVNSILGN-VCAVLVAARRRRGCA 73
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 20 NDQHPWISDINITWMNYLHQPHYTAFISSYFIIFLCWNKGVNVCFFVIARRYMHTV 79
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Dy 74 SASLVNLFCADLLE-TSAIPLVLVVRWTAMWLGPVCHLLFYVMTSGSYTIITLAIV 132
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 80 TNPFIFNLASDLVGIFCPMPITLDNIAGWPFPSSCKISGLVOGSVASAVFTLVAI 139
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Dy 133 SLERNVCLVRLRGRSGSPG-----RTQAALIAFWGISALAALDYLLFRVPO----- 182
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 140 AYDRRCRVY-----PFKPLVTLYKTAFVMIIVIIIGLAILTIMTSATMLHVEEKYYRV 192
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Dy 183 RLPGDGODIPI--CTLDWPNR-IGESIDVPFETINFLVPGVLYIYSKI-LQTTRSR 238
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 193 RLSHNKSTSYWCEDPDNPQEMERRIYTTVFATI-YLAPSLIYMARIQASIFKTS A 251
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Dy 239 KRLTLASLVSESHQRHSOQDRIPTFLVMSFFIMWSPIITILLILIONFQ----- 294
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 252 H----STGKRQEQNHVSKKKQAKVTKMLTYALLFTLSLKP--WTLMMSDYADLSPN 304
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Dy 295 ----DLVIWPSLFPMVVAFTPANSALNPILVNSLPFNENRKIP 334
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 305 KLKVINVIVP-PAHWL---AFCNSSVNPIT--GFNFENPRSGF 343
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :

RESULT 5
US-10-992-577-6
Sequence 6, Application US/10992577
Publication No. US20050260687A1
GENERAL INFORMATION:
APPLICANT: Gerald, Christophe P.G.
APPLICANT: Jones, Kenneth A.
APPLICANT: Bonini, James A.
APPLICANT: Borowsky, Beth E.
APPLICANT: Craig, Douglas A.
TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors

```

? TITLE OF INVENTION: And Uses Thereof
? FILE REFERENCE: 57155-D/JPM
? CURRENT APPLICATION NUMBER: US/10/992,577
? PRIOR APPLICATION NUMBER: US/09/358,036
? PRIOR FILING DATE: 2000-03-29
? PRIOR APPLICATION NUMBER: 09/405,558
? PRIOR FILING DATE: 1999-09-24
? PRIOR APPLICATION NUMBER: 09/255,368
? PRIOR FILING DATE: 1999-02-22
? PRIOR APPLICATION NUMBER: 09/161,113
? PRIOR FILING DATE: 1998-09-25
? NUMBER OF SEQ ID NOS: 71
? SOFTWARE: PatentIn Ver. 2.1
? SEQ ID NO 6
? LENGTH: 420
? TYPE: prt
? ORGANISM: Homo sapiens
US-10-992-577-6

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Query Match	12.4%;	Score 230.5;	DB 6;	Length 420;
Best Local Similarity	23.8%;	Pred. No. 4.2e-13;		
Matches 84; Conservative	70;	Mismatches 144;	Indels 55;	Gaps 17;

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Oy 15 HTLDONRCHTPEPESOVKDE-----HRLVLSVSBTVLGLIFVYSLIGANCAVLVAR 68
Db 14 HPIWANNDDTHGLYSIDINITYVNYLHDOQVAIIITISYFIIFELCOMGANTVCFIWRN 73
Oy 69 RRGASASL-VINLFCADLLF-TSAIPLVLVRMTFAMLLGPVCHLLFYVMTSGSVTI 126
Db 74 KKHHTYTNLFILNALSIDLVLGIFCMPIITLDNITAGHPFGNTMCKISGLVQGISVAASV 133
Oy 127 LTLAASLERMVCIVLRBGLSGPGR-----RTQALAFITWGSALAAFLPYILFRVP 181
Db 134 FTILVALAVDRFQCVVY-----PKPKLTITKATAVIIMIMVALITMSSAWMLHYQE 186
Oy 182 Q-----RLPGDQELPI-CTUDMPNR-IGEISMDVFPELTNPLVGLVIVISYSKI-- 233
Db 187 EKYRVRLNSQNTSPVYVCRDEMDPNOEMRKITYTTLFANI-YALPISLIYIMYGRIGIS 245
Oy 231 ---LQTTKSRKRLTSLAYSESHQIRVSQODYRFLRFLIFLLMSPFLMSPITITLLI 285
Db 246 LFRAAVPHTRGN-----QEOHNV-VSRKKQKIKKMLLIVALLFISLWPLMTLWMLS 297
Oy 288 ----LQNRQO--DIVIMSLFFWVVAFTFANSALNPLVMYMSLFRNEMKRIIF 334
Db 298 DYADISPNELQIINIITYP-FAHWL--AFNGSSVNPILY--GFENENFRFGRGF 344

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1 RESULT 6
2 US-10-510-018-2
3
4 : Sequence 2, Application US/10510018
5 : Publication No. US20050244896A1
6 : GENERAL INFORMATION:
7 : APPLICANT: Golz, Stefan
8 : APPLICANT: Bruggemeier, Ulf
9 : TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
10 : TITLE OF INVENTION: Neuropeptide FF Receptor 2 (NPFF2)
11 : FILE REFERENCE: Ue A 35 945
12 : CURRENT APPLICATION NUMBER: US/10/510,018
13 : CURRENT FILING DATE: 2004-10-01
14 : PRIOR APPLICATION NUMBER: PCT/EP2003/002962
15 : PRIOR FILING DATE: 2003-03-21
16 : PRIOR APPLICATION NUMBER: EP 02007270.8
17 : PRIOR FILING DATE: 2002-04-02
18 : NUMBER OF SEQ ID NOS: 5
19 : SOFTWARE: PatentIn version 3.3
20 : SEQ ID NO 2
21 : LENGTH: 522
22 : TYPE: PRT
23 : ORGANISM: Homo sapiens
24 : US-10-510-018-2

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Query Match      12.4%; Score 230.5; DB 6; Length 522;
Best Local Similarity 23.8%; Pred. No. 5,3e-13;
Matches 84; Conservative 70; Mismatches 144; Indels 55; Gaps 17;

QY      15 HTLDVNRTHPPFSDVKG-----HRLVSVETTVGLIFVSLGNVCAVLVARR 68
      116 HPIWNVDTGHLSDYNITYVYVYLHQVAAIIFIISYPLIFFLCMGNTVVCIFMYRN 175
      69 RRGASASL-VLNLFCADLLF-TSAIPVLVVRWTEMLGPVVCCHLLFFVMTSGSVTI 126
      176 KKHMTVNTLFLMLAISDLLVGIFCMPITLLDNIAGMPGNTCKISGLVQGISVAASV 235
QY      127 LTLAASLERMVCIVRLRGLSGR-----RTQALLAIFMGVSALALPVLITFRVVP 181
      236 FTLVAAIVDFQCQVY-----PFRKLTIKTAFVIMIVLWALTIMPSAVMLHVC 288
QY      182 Q-----RLPGDDEIPI--CTLDPNR-IGESMDVEFTLNPVLVPLVVISYSKI--- 230
      289 EKYVRVRLNSQNTSPYVWCREDMPQEMRKITTVLFANI-YLAPLSLIVMYGRIGIS 347
QY      231 ---LQTTKSRKRLTSLAVSESHQIRVSQODYRLFTFLVLMVSPFIMSPITITILI 287
      348 LFRAAVPHTRGX-----QEQMHV-VSRKKOKIKMLDIVALLFTLSWLPMTLMMS 399
QY      288 ----LQNFRO--DLVIMPSLFFVVAFTFANSALNPILYMSLFRNEMRKIF 334
      400 DYADLSENELOITINITYP-FAHWL---AFGNSSVNPITY--GFENENFRGRF 446
      DB

RESULT 7
US-10-627-633-2
; Sequence 2, Application US/10627633
; Publication No. US20050250720A1
; GENERAL INFORMATION:
; APPLICANT: Charles, Andrew David
; APPLICANT: Brenand, John Charles
; APPLICANT: Hart, Kevin Anthony
; TITLE OF INVENTION: Novel Compound
; FILE REFERENCE: 1991-221
; CURRENT APPLICATION NUMBER: US/10/627,633
; PRIOR FILING DATE: 2003-07-28
; PRIOR APPLICATION NUMBER: 09/722,342
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/172,146
; PRIOR FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 2
; LENGTH: 415
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-627-633-2

Query Match      12.1%; Score 224; DB 6; Length 415;
Best Local Similarity 23.1%; Pred. No. 1,5e-12;
Matches 80; Conservative 76; Mismatches 147; Indels 44; Gaps 14;

QY      5 CAOTGSPSHLTDQVNRTHPPFSDVKGHRLVSVETTV---LGLIFVNSLLGN-- 58
      28 CTEATATPLPQGYLMELSEEH--SWMSNQTDLHYVLKGEVATASIFPGIIMLESIFGNSL 85
      59 VCLVLVARRRRRGASASLVNLFCADLLFT-SAIPLVLVVRWTEALLPVCCHLLFY 117
      86 VC-LVHRSRRSTOSTYFVVSMAACADLLISVASTPVLLOFTTGRTTLISATCKVRYF 144
      118 MTMSGVTLITLAAVSLERMVCIVRLRGLSGPGRTOA-ALLAFIYGALAAALPXYIL 176
      145 QYLTGPQVQIVLSTICIDRFTYV---YPLSFKSRKAKKMTAASIFPAGFTYPLTF 201
QY      177 FRVVPORLPGDDEIPICTLDMPNRIGESMDVEFTLNPVLVPLVVISYSKILOI--- 233
      202 Y-----GSMNDSHCNVFLPESMEGTATYVHFLVGVFIPVSLIILFYQVYKIKYWR 252
      DB
```

```
QY      234 --TKSRKRRLTSLAVSESHQIRVSQODYRLFTFLVLMVSPFIMSPITITILL-11IQ 290
      253 IGIDGRTVARTANI-----VPRTKYKTIKMFILNLFLSLPFRHVADLMRPHQ 303
      DB

QY      291 NFRQDLVWPSSFVVAFTFANSALNPILYNN--SLFENEMRKIFC 335
      304 DYKSSLVFTAL-TWI---SFSSASKPFLYGIYNANFRGMKETF 346
      DB

RESULT 8
US-10-992-577-2
; Sequence 2, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; FILE REFERENCE: And Uses Thereof
; CURRENT APPLICATION NUMBER: US/10/992,577
; PRIOR FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 432
; TYPE: PRF
; ORGANISM: Rattus norvegicus
US-10-992-577-2

Query Match      11.8%; Score 218.5; DB 6; Length 432;
Best Local Similarity 26.0%; Pred. No. 4,6e-12;
Matches 83; Conservative 53; Mismatches 130; Indels 53; Gaps 14;

QY      49 LTFVNSLLGN--VCAVLVARRRRRGASASLVNLFCADLLF-TSAIPVLVVRWTEAWL 105
      52 LTFLLCMVGNITVLCFTVL-KNRHMRVTVMNFIINLAVSDLVGIFCMPTTLVDNLITGWP 110
      106 LGPVCHLLFYVMTMSGVTLITLAAVSLERMVCIVR-----LRRGLSGPGRTOAAL 158
      111 FDNATCKMSGLVQGSVSAVSFTLVAAVVERPFCIHPREKLTLLKAL-----FT 161
      159 LAFIYGASALAAPIYLIFRVVPR---LPGDDEIPI--CTLDPNR-IGESMDVFF 211
      162 IAVITMALILIMCPASVTLTVTRBEHFMIDARNRSYPLVSCWEAWPEKMRKYTAVL 221
      212 ETINLFPGLVIVTYSKIL-QTTKSRKRRLTSLAVSESHQIRVSQODYRLFTFLM 270
      222 AHI-YLVPLALIVVMVYIARKLCQAPGAPARDEEVAEG--RTSRRRRVVMHLMVVA 278
      271 VSFPMSPITITILI-----LIONFRODLVIMPSLFFVVAFTFANSALNP 319
      279 LFTTSLMLPMLVLLIIDLGESELDJHLISYAFPLAH-----LAFPHSSANPI 329
      320 LYNSLFRNEMRKIFCCFF 338
      330 IY--GFENENFRGQAAF 346
      DB

RESULT 9
US-10-502-145-1
; Sequence 1, Application US/10502145
```

```

; Publication No. US20050244406A1
; GENERAL INFORMATION:
; APPLICANT: MACKAY, CHARLES REAY
; TITLE OF INVENTION: Anti-C5ar antibodies and uses thereof
; FILE REFERENCE: RICE-032
; CURRENT APPLICATION NUMBER: US/10/502,145
; CURRENT FILING DATE: 2004-07-19
; PRIOR APPLICATION NUMBER: USN 60/350,961
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-502-145-1

Query Match      11.8%; Score 218; DB 6; Length 350;
Best Local Similarity 23.8%; Pred. No. 4,1e-12;
Matches 83; Conservative 63; Mismatches 133; Indels 70; Gaps 12;

QY 38 VLAVETTVVGLIFVNSLGNVCLVAVARRRGASASLVNLFCADLFTSAIPVLV 97
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 35 VPDLALVIFAVNVLVGLGNALVYVWYAFPAKRTINAWPLNLAVDPLSCLALPLFT 94
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 98 -VRTEAMLGPVVCCHLFFVMTSGSVTLTLAAVSLERWVCIVR--LRGLSGPGRRT 154
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 95 SIYVHHMPPFGAACSILPSILINMVASILLTLTISDRPLVFKPIWCNFRGAGLAW 154
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 155 QALLAFIWSYSAALPLVYLFRVVPQRLPGDQEIIP---ICTLDMP-NRIGISMDVF 210
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 155 IACAVA--WGLALLLTIPSF-LYRVV-----REYFPKYLCCGVDSHDDRERAVALV 205
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 211 FETINFLVPGVIVISKILQIT--KASKRLTSLANSESHQIRVQODYRLFTLF 267
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 206 RLVGFMPLTLTICYFTILLRTMSRRATSTKTL-----KVVV 245
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 268 LNAVSPFIMSPILIT--ILLILIONPRODLVIMSPFVAVAFANSALNPLIYN-- 323
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 246 AVAVSFIFMLPYGVNTIGMSFLSPSPFTLLKLKLSLCVSFAYINCINPIIYVACQ 305
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 324 -----SLFRNEMRKIFCCFPPEKGAIFTDSVRANDSVISS 361
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 306 GFGRLKSLPSLARN-----VLTEESVAVESHSFTRS 338
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 10
US-11-067-884-8
; Sequence 8, Application US/11067884
; Publication No. US20050261252A1
; GENERAL INFORMATION:
; APPLICANT: Miller, Duane D.
; APPLICANT: Tigyti, Gabor
; APPLICANT: Dalton, James T.
; APPLICANT: Sarder, Vaneet M.
; APPLICANT: Elrod, Don B.
; APPLICANT: Xu, Huiping
; APPLICANT: Baker, Daniel L.
; APPLICANT: Wang, Dean
; APPLICANT: Lilliom, Karoly
; APPLICANT: Fischer, David J.
; APPLICANT: Vitreg, Tamara
; APPLICANT: Nuber, Nora
; TITLE OF INVENTION: LPA RECEPTOR AGONISTS AND ANTAGONISTS AND METHODS OF
; FILE REFERENCE: 20609/305
; CURRENT APPLICATION NUMBER: US/11/067,884
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: 60/190,370
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 09/811,838
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 26
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-884-8

Query Match      11.7%; Score 216; DB 7; Length 419;
Best Local Similarity 23.4%; Pred. No. 7,2e-12;
Matches 81; Conservative 54; Mismatches 145; Indels 66; Gaps 13;

QY 20 VNRTFFPFGSDKDHRLVLSVETTVGLIFVNSLGN--VCAVLVARRRRRGASASLV 78
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 VNSTAVPTTPAFAKSLNLPLOITLSAMIFLPSFIGNLVCLMVQKAMRSAINILL 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 79 LNFCADLFTSA-IPVLVVRWTEAVLGPVCH--LIFYVTMGSVTTLTLAAVSL 134
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 ASLAFADMLLAVLAMPALVTILLTRWIFGKFCFVGSAMFVFWIEG---VAILLIISI 177
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 135 ERMVCYRLRGLSGPERRQALLAFIWSYSAALPLVYLFRVVPQRLPGDQEIIP 191
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 178 DRFLITVQ-RQDKLNPYR--AKVLIAVSWATSPCVAPPLAV-----GNPDLOIP 223
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 192 ---PICTLDMPNRIGESMDVFETTLNPLVGLVIVISYKILQITKASKRLTSLAYS 248
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 224 SRAPQCVFQYTTNGYQAVYILISIFIPVLVILSPFGILNTLHNLRT-----HS 278
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 249 ESHQIRVSGD-----YRLFTFLNWSFIMSPILITILLIT 288
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 279 YPEGICLSQASKLGLMGLQRPFGWSIDMGFKTRAFITILLFAVFIWMAF--TTSYL 335
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 289 IQRNRODLVWPSLF--FWVAVTFANSALNPLIYNMSLFRNEMR 331
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 336 VATFSKHFVYQHNFETISTWLMCLYKSLANPLIY-----YMR 374
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 11
US-10-992-577-8
; Sequence 8, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FR (NPFF) Receptors
; FILE REFERENCE: 57155-D/JPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-992-577-8

Query Match      11.5%; Score 212.5; DB 6; Length 430;
Best Local Similarity 26.0%; Pred. No. 1,5e-11;
Matches 86; Conservative 55; Mismatches 139; Indels 51; Gaps 16;

QY 35 HRLVLSVETTVVGLIFVNSLGN--VCAVLVARRRRRGASASLVNLFCADLFTSA 91
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

Db 38 HTSPVAMFVAYALIFLLCMVNTLVCFIVL-KNRHMTVTNMFILNLAVSDDLGVIFC 96
QY 92 IRLVIVRTEAVLGRVCHLLFVYMTSGSVTITLTLAVSLERAVCYR-----LR 144
Db 97 MPTLVNDNLITGPFNATCKMSGLVQGSVSASVFTLVAVERRCIVHPREKLTJR 156
QY 145 RGLSGGRRTQALLFIWGSALALPLVILFRVPRQ-----LPGDDEIFI--CTLDW 198
Db 157 KAL-----VTIAVIMALLIMCPSAVTLTVREHHPVADARNSGYLXSCMEW 207
QY 199 PNR-IGESIMVDFETLNFVLVPGVLVVISYKLLQITKSRKLT--SLAYSESHQIR 254
Db 208 PEKGMRRVYTVTVFISH-YLAPLALIVMYARI-----ARKLCQAPGAPGGEFAADR 260
QY 255 VSGQDRLPRTLFLVWSPFIMSPITITLLILIONFRODVIWPSL-PFWVVAFTA- 312
Db 261 ASRRRARVWMLVWVLFRTLSPPLWALLLL--DYGO-LSAPQLLVTVYAFPAH 315
QY 313 ----NSALNPILYNNSLFRNEMRKIFCCPF 338
Db 316 WLAFFNNSANPIY--GYFNFNFRRGQAA 344

RESULT 12
US-11-068-686-20
; Sequence 20, Application US/11068686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
; ; Schweickart, Vicki L.
; ; Report, Carol J.
; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/068,686
; FILING DATE: 28-Feb-2005
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Noland, Greta E.
; REGISTRATION NUMBER: 35,302
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-11-068-686-20

Query Match 10.9%; Score 202; DB 7; Length 352;
Best Local Similarity 23.1%; Pred. No. 9,4e-11;
Matches 83; Conservative 51; Mismatches 129; Indels 96; Gaps 16;
QY 49 LIRVVSILGN-CALVIVARRRRGASASLVNLFCDLLFTSAIPLVIVRWTE---A 103
Db 39 LVIFGVGILVLLINCKRLKSMYDIYLNLAISDLLFLTLVFP-----MAHYAAQ 93

QY 104 WILGPVCHL---LRYMTSGSVTITLTAASLERMVCIVLRGLSGGRRTQALLA 160
Db 94 WDFGNTMQLLGLVIFGFSGIFPIILL---TIRYLAIVHVAFLKARTVFGVTVS 150
QY 161 FWGYSALALPLYLFR-----VPRQLPGDDEIFICTLWPNRIGESIMVFE 212
Db 151 IMWVAVFASLPGIIFTRQRBGLHYTCSHPFYSOYQF-----WKN-----RQ 194
QY 213 TNLPLVPGVI-----VISYKLLQITKSRKLTSLAYSESHQIRVSGQDRLPRTL 267
Db 195 TLKMWYLGVLPLVWVICTSGILK-----TL-----KRNKKHRAVRLIF 238
QY 268 LWMSEFFIMSPITITLILIONF-----RODLVWPSLFWVVAFTFANSA 315
Db 239 TMIYVFLMAVYNIYLLNTFQEFGLNCCSNRLDQAMQVTELT-----GWTGCC 291
QY 316 LNPILYNN-SLFRNEMRKIF-----CCFFP-----PEKGAIFTTSVRNDLSV 358
Db 292 IMPIIYAFVGEKFRNVLVFPQKIAKRCCKCSIFQDEAPRASSVYTRSGEORISV 350

RESULT 13
US-10-627-633-6
; Sequence 6, Application US/10627633
; Publication No. US20050250720A1
; GENERAL INFORMATION:
; APPLICANT: Charles, Andrew David
; APPLICANT: Brennard, John Charles
; APPLICANT: Hart, Kevin Anthony
; TITLE OF INVENTION: Novel Compound
; FILE REFERENCES: 1991-221
; CURRENT APPLICATION NUMBER: US/10/627,633
; PRIOR FILING DATE: 2003-07-28
; PRIOR APPLICATION NUMBER: 09/722,342
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/172,146
; PRIOR FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 6
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-627-633-6

Query Match 10.8%; Score 201; DB 6; Length 352;
Best Local Similarity 23.7%; Pred. No. 1.1e-10;
Matches 71; Conservative 65; Mismatches 126; Indels 38; Gaps 12;
QY 48 GLIFVVSILGN--VCALVIVARRRRGASASLVNLFCDLLFT-SAIPLVIVRWTEAV 104
Db 32 GALLMSTFGNSLVC-LVHRSRRTOSTNYLVASACADLLISVASTPVPVLOFTGRV 90
QY 105 LGLPVCCHLLFYMTSGSVTITLTAASLERMVCIVLRGLSGGRRTQA-ALLAFIV 163
Db 91 TLGSAMCKVRYRQYVLTLPQVIVLISICIDREYTV---YPLSFVSRKAKRMIAASW 147
QY 164 GYSALALPLYLFRVPRQLPGDDEIFICTLWPNRIGESIMVDFETLNLVGLVY 223
Db 148 ILDAFVTVVFFPY-----GSNWDSCNVFLPDSWEGTAAYTVIHLVGVIVSLV 198
QY 224 VISYSKLLQI-----TKASRKLTSLAYSESHQIRVSGQDRLPRTLFLWVSPFIM 278
Db 199 ILFYQVYIKYIRIGDGKTLKRTNMI-----VPRTKVTVGMFLFNLVFLPSWL 249
QY 279 PIITILL-ILIONFRODVIWPSLFWVVAFTFANSAIPLIYNN-SLFRNEMRKIFC 335
Db 250 PFWVAQLMHPHEGEYKSSLVFPAV-TWV---SFSSASAKPLYSIYNANFRGKMETFC 305
RESULT 14
US-10-627-633-4
; Sequence 4, Application US/10627633

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; Publication No. US20050250720A1
; GENERAL INFORMATION:
; APPLICANT: Charles, Andrew David
; APPLICANT: Brennand, John Charles
; APPLICANT: Hart, Kevin Anthony
; TITLE OF INVENTION: Novel Compound
; FILE REFERENCE: 1991-221
; CURRENT APPLICATION NUMBER: US/10/627,633
; PRIOR FILING DATE: 2003-07-28
; PRIOR APPLICATION NUMBER: 09/722,342
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/172,146
; PRIOR FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-627-633-4

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```

Query Match      10.8%; Score 201; DB 6; Length 409;
Best Local Similarity 22.6%; Pred. No. 1.3e-10;
Matches 78; Conservative 74; Mismatches 153; Indels 40; Gaps 13;

```

```

QY 5 CAQTGPGSPHTLDQVNRTHPPFSDVKGDRHLVLSVETTVL--GLIFVSLGN--VC 60
DB 22 CAEAAEALLPGLMLHEHSHMSNRTELQYELNGEVATASIFGALMLFISFNGSLVC 81
QY 61 ALVAVARRRRGASASLVNLFCDLFT-SAIPLVVVRMTAVLGGPVVCHLLFYVT 119
DB 82 -LVHRSRSTOSTNYFVVSACADLLISVASTFVVQFTTGKRTLSAMCKVRYQY 140
QY 120 MSGSVTITLAVSLERNVCIYRLRGLSGPGRTOA-ALLAFWGSALAAPLYILFR 178
DB 141 LTPGQIVLVLSICIDRFYIV--YPLSPKVSREKAKMIAASVILDAAFVTVPFFFY- 196
QY 179 VVPRQLPGDDEIPICITDMPNRIGEISMDVPFETLNLVPGVLVVISYKILQI----- 233
DB 197 -----GSMWDSHCNFFLPSPWEGTAYTVIHPLVGVFVPSIILFLYQVIXYIRIG 248
QY 234 TKASRKRLTSLAYSESHQIRVSQDYRLFRTLFLWVSFFIMSPITITILL-ILIONF 292
DB 249 TDGRTLRRTNMI-----VPRKXVTVKMFLLNLVFLPSMLPFRVAQDLMPHEDY 299
QY 293 RQDLVWPSLFFVVAFTFANSALNPILYNN--SLFRNWRKIFC 315
DB 300 KKSLLVFPAV-TWV---SFSSASAKPTLYSIYNNANFRGCKMETFC 340

```

```

RESULT 15
US-11-068-686-2
; Sequence 2, Application US/11068686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
; APPLICANT: Schweickart, Vicky L.
; Report, Carol J.
; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

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```

; APPLICATION NUMBER: US/11/068,686
; FILING DATE: 28-Feb-2005
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Noland, Greta B.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27866/33670
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6500
; TELEFAX: 312-474-0448
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: /= "88C amino acid sequence"
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-11-068-686-2

```

```

Query Match      10.5%; Score 194; DB 7; Length 352;
Best Local Similarity 22.8%; Pred. No. 4.5e-10;
Matches 82; Conservative 52; Mismatches 129; Indels 96; Gaps 16;

```

```

QY 49 LIFVSLGNVCA-LVAVARRRRGASASLVNLFCDLFTSAIPLVVVRMTE---A 103
DB 39 LVFIQFVGNMLVITLILNCKRLKSMTDIYLNLAISDLFFLTVPF---MAHYAAQ 93
QY 104 WLGLPVPVCHL---LFYMTMSGSVTITLTAVSLERNVCIYRLRGLSGPGRTOALLA 160
DB 94 WDFNTWCQQLTGLYFPGFSGIFITLL--TIDRYLAVHAVFALKARTVTFGVVTSV 150
QY 161 FIMGYSALAAFLYTLFRVVPQRL-----PGDGEIPICITDMPNRIGEISMDVFE 212
DB 151 ITWVAAPASLPGIIFRSQKGLHYTCSSHFYSQYF-----MGR-----FQ 194
QY 213 TLNPLVQGLV-----VISYKILQITKASRKRLTSLAYSESHQIRVSQDYRLFTLF 267
DB 195 TLKIVILGLVPLLMVTCVSGILK-----TL-----RCNNEKGRRAVRLIF 238
QY 268 LWMVSFFIMSPITITILLIONF-----RQDLVWPSLFFVVAFTFANS 315
DB 239 TIMIVFLFWAPNIVILLNTFOEFFGLNCCSSNRDLQAMQVETL-----GMTHCC 291
QY 316 LNPILYNN--SLFRNWRKIF-----CCPF-----PEKGAFTDTSVRANDLSV 358
DB 292 INPIIYAFVGEKFRNVLVFPQKIAKRFCKCSIFQGBAPERASSVYTRSTGEQISV 350

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Search completed: December 5, 2005, 09:07:01
Job time : 12 sec

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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:35:52 ; Search time 47 Seconds

(without alignments)
635.020 Million cell updates/sec

Title: US-10-077-698-4

Perfect score: 1853

Sequence: 1 MSPCAQTGTGPGSHITDQV.....KGAIFDTPTSVARNLDSVSS 361

Scoring table: BIOSUM62

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued Patents AA: *
2: /cgn2_6/ptodata/1/1aa/5 COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/6 COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/H COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/PTUS COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/RE COMB.pep: *
7: /cgn2_6/ptodata/1/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1853	100.0	361	2	US-09-261-599B-4 Sequence 4, Appli
2	1853	100.0	361	2	US-09-456-455A-4 Sequence 4, Appli
3	1591	85.9	361	2	US-09-261-599B-1 Sequence 1, Appli
4	1591	85.9	361	2	US-09-456-455A-1 Sequence 1, Appli
5	1533	82.7	300	2	US-09-261-599B-7 Sequence 7, Appli
6	1353	73.0	300	2	US-09-261-599B-6 Sequence 6, Appli
7	310	16.7	348	2	US-08-513-974B-46 Sequence 342, App
8	310	16.7	348	2	US-08-513-974B-342 Sequence 46, Appli
9	310	16.7	348	2	US-08-993-088A-10 Sequence 10, Appli
10	310	16.7	348	2	US-08-993-424B-10 Sequence 10, Appli
11	310	16.7	348	2	US-08-540-650B-2 Sequence 2, Appli
12	310	16.7	348	2	US-09-595-549-5 Sequence 5, Appli
13	310	16.7	348	2	US-09-461-436B-46 Sequence 46, Appli
14	310	16.7	348	2	US-09-603-680-10 Sequence 10, Appli
15	310	16.7	395	2	US-08-900-230-5 Sequence 5, Appli
16	309	16.7	349	2	US-08-513-974B-343 Sequence 343, App
17	304	16.4	345	2	US-08-981-700A-5 Sequence 5, Appli
18	304	16.4	346	2	US-09-199-737-5 Sequence 5, Appli
19	304	16.4	346	2	US-08-993-088A-3 Sequence 3, Appli
20	304	16.4	346	2	US-08-993-424B-3 Sequence 3, Appli
21	304	16.4	346	2	US-09-058-333A-5 Sequence 5, Appli
22	304	16.4	346	2	US-09-595-549-6 Sequence 6, Appli
23	304	16.4	346	2	US-09-603-680-3 Sequence 3, Appli
24	304	16.4	346	2	US-08-899-112B-30 Sequence 30, Appli
25	304	16.4	346	2	US-09-011-553-7 Sequence 7, Appli
26	287	15.5	444	2	US-09-426-290-2 Sequence 2, Appli
27	287	15.5	444	2	US-09-826-509-551 Sequence 551, App

28	283	15.3	444	2	US-09-119-788-2 Sequence 2, Appli
29	271.5	14.7	349	2	US-08-993-088A-11 Sequence 11, Appli
30	271.5	14.7	349	2	US-08-993-424B-11 Sequence 11, Appli
31	271.5	14.7	349	2	US-08-540-650B-5 Sequence 5, Appli
32	271.5	14.7	349	2	US-08-693-308-2 Sequence 2, Appli
33	271.5	14.7	349	2	US-09-595-549-7 Sequence 7, Appli
34	271.5	14.7	349	2	US-09-603-680-11 Sequence 11, Appli
35	271.5	14.7	349	2	US-08-981-700A-6 Sequence 6, Appli
36	271.5	14.7	351	2	US-08-513-974B-344 Sequence 344, App
37	271	14.6	380	2	US-08-676-351-5 Sequence 5, Appli
38	270.5	14.6	349	2	US-09-826-509-503 Sequence 503, App
39	269	14.5	380	2	US-08-188-275A-5 Sequence 5, Appli
40	269	14.5	380	2	US-09-351-198-5 Sequence 5, Appli
41	269	14.5	380	2	US-09-113-426-5 Sequence 5, Appli
42	263	14.2	380	2	US-08-765-743-2 Sequence 2, Appli
43	263	14.2	380	2	US-09-341-446B-2 Sequence 2, Appli
44	263	14.2	381	1	US-08-192-288-2 Sequence 2, Appli
45	263	14.2	381	1	US-08-687-355A-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-261-599B-4
; Sequence 4, Application US/09261599B
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/09/261,599B
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-261-599B-4

Query Match	100.0%	Score 1853;	DB 2;	Length 361;
Best Local Similarity	100.0%	Pred. No. 8.2e-163;		
Matches	361;	Conservative 0;	Mismatches 0;	Indels 0;
Gaps	0;			
Qy	1	MSPCAQTGTGPGSHITDQVNRTHFPFFSDYKGDHRLVLSVETTVYGLIFVSLGNVC	60	
Db	1	MSPCAQTGTGPGSHITDQVNRTHFPFFSDYKGDHRLVLSVETTVYGLIFVSLGNVC	60	
Qy	61	ALVTVARRRRRGASASLVNLFCDLFTSAIPLVVVRTEAVLGPVVCCHLFFYMTM	120	
Db	61	ALVTVARRRRRGASASLVNLFCDLFTSAIPLVVVRTEAVLGPVVCCHLFFYMTM	120	
Qy	121	SGSVTITTLAAVSLERNVCIVRLRGSGGRRTQALLAFINGYSALAAPLYILFRVV	180	
Db	121	SGSVTITTLAAVSLERNVCIVRLRGSGGRRTQALLAFINGYSALAAPLYILFRVV	180	
Qy	181	PORLPGGDQEIPICTLMPNRIGISNDVFPETNFIPLVPGLVIVISYSKILQITKASRR	240	
Db	181	PORLPGGDQEIPICTLMPNRIGISNDVFPETNFIPLVPGLVIVISYSKILQITKASRR	240	
Qy	241	LTTSLAVSESHQIRVSOQDRLPFTLPLVWSPFIMSPITITLILIONPRODLVWP	300	
Db	241	LTTSLAVSESHQIRVSOQDRLPFTLPLVWSPFIMSPITITLILIONPRODLVWP	300	
Qy	301	SLPFWVAFTFPAASALNPILYNNSLFENRWKIFCCFPPEKGAIFTDTSVRNDLSVIS	360	
Db	301	SLPFWVAFTFPAASALNPILYNNSLFENRWKIFCCFPPEKGAIFTDTSVRNDLSVIS	360	

QY 361 S 361
|
Db 361 S 361

RESULT 2
US-09-456-455A-4
; Sequence 4, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; APPLICANT: Tsai, Fong-ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-456-455A-4

Query Match 100.0%; Score 1853; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-163;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECAQTGPSPSHLTDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
|
Db 1 MSPECAQTGPSPSHLTDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
|
QY 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
|
Db 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
|
QY 121 SGSVTTLTTLAAVSLERNVCIVLRGLSGGRRTQALLAFIWSYALAAPLIYIFRVV 180
|
Db 121 SGSVTTLTTLAAVSLERNVCIVLRGLSGGRRTQALLAFIWSYALAAPLIYIFRVV 180
|
QY 181 PORLPGDDEIPCTLDMPNRIGISMDVFEFTLNFVLPGVLVVISYSKILQITTKSRKR 240
|
Db 181 PORLPGDDEIPCTLDMPNRIGISMDVFEFTLNFVLPGVLVVISYSKILQITTKSRKR 240
|
QY 241 LTLSLAYSESHQIRVSQODYRLFRFTLFLMVSPFIMSPIIITLILILQNFRODLVIWP 300
|
Db 241 LTLSLAYSESHQIRVSQODYRLFRFTLFLMVSPFIMSPIIITLILILQNFRODLVIWP 300
|
QY 301 SLFFWVAATFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFDTISVRNDLSVIS 360
|
Db 301 SLFFWVAATFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFDTISVRNDLSVIS 360
|
QY 361 S 361
|
Db 361 S 361

RESULT 3
US-09-261-599B-1
; Sequence 1, Application US/09261599B
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/09/261,599B
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-261-599B-1

Query Match 85.9%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 1.2e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPECAQTGPSPSHLTDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
|
Db 1 MSPECARAAGADAPLRSLEQANRRFPFSDVKGDRHLVLAAVETTVLIFAVSLIGNVC 60
|
QY 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
|
Db 61 ALVLVARRRRRGATACLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTL 120
|
QY 121 SGSVTTLTTLAAVSLERNVCIVLRGLSGGRRTQALLAFIWSYALAAPLIYIFRVV 180
|
Db 121 SGSVTTLTTLAAVSLERNVCIVLRGVRGGRRAVALLAFIWSYAVVALLPCVPEFRVV 180
|
QY 181 PORLPGDDEIPCTLDMPNRIGISMDVFEFTLNFVLPGVLVVISYSKILQITTKSRKR 240
|
Db 181 PORLPGADDEISICTLIMPTIRGEISMDVSVTLNPLVPGVLVVISYSKILQITTKSRKR 240
|
QY 241 LTLSLAYSESHQIRVSQODYRLFRFTLFLMVSPFIMSPIIITLILILQNFRODLVIWP 300
|
Db 241 LTLSLAYSESHQIRVSQODYRLFRFTLFLMVSPFIMSPIIITLILILQNFRODLVIWP 300
|
QY 301 SLFFWVAATFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFDTISVRNDLSVIS 360
|
Db 301 SLFFWVAATFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFDTISVRNDLSVIS 360
|

RESULT 4
US-09-456-455A-1
; Sequence 1, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; APPLICANT: Tsai, Fong-ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-456-455A-1

Query Match 85.9%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 1.2e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPECAQTGPSPSHLTDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
|
Db 1 MSPECARAAGADAPLRSLEQANRRFPFSDVKGDRHLVLAAVETTVLIFAVSLIGNVC 60
|
QY 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
|
Db 61 ALVLVARRRRRGATACLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTL 120
|


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1      PRIOR APPLICATION DATA: PCT/JP95/01599
2      APPLICATION NUMBER: 10-AUG-1995
3      FILING DATE: 10-AUG-1995
4      PRIOR APPLICATION DATA:
5      APPLICATION NUMBER: JP 7-093989
6      FILING DATE: 19-AUG-1995
7      PRIOR APPLICATION DATA:
8      APPLICATION NUMBER: JP 7-057186
9      FILING DATE: 16-MAR-1995
10     PRIOR APPLICATION DATA:
11     APPLICATION NUMBER: JP 7-007177
12     FILING DATE: 20-JAN-1995
13     PRIOR APPLICATION DATA:
14     APPLICATION NUMBER: JP 6-326611
15     FILING DATE: 28-DEC-1994
16     PRIOR APPLICATION DATA:
17     APPLICATION NUMBER: JP 6-270017
18     FILING DATE: 02-NOV-1994
19     PRIOR APPLICATION DATA:
20     APPLICATION NUMBER: JP 6-226357
21     FILING DATE: 30-SEP-1994
22     PRIOR APPLICATION DATA:
23     APPLICATION NUMBER: JP 6-226356
24     FILING DATE: 30-SEP-1994
25     PRIOR APPLICATION DATA:
26     APPLICATION NUMBER: JP 6-189274
27     FILING DATE: 11-AUG-1994
28     PRIOR APPLICATION DATA:
29     APPLICATION NUMBER: JP 6-189273
30     FILING DATE: 11-AUG-1945
31     PRIOR APPLICATION DATA:
32     APPLICATION NUMBER: JP 6-189272
33     FILING DATE: 11-AUG-1994
34     ATTORNEY/AGENT INFORMATION:
35     NAME: Resnick, David S.
36     REGISTRATION NUMBER: 34,235
37     REFERENCE/DOCKET NUMBER: 45753
38     TELECOMMUNICATION INFORMATION:
39     TELEPHONE: 617-523-3400
40     TELEFAX: 617-523-6440
41     INFORMATION FOR SEQ ID NO: 46:
42     SEQUENCE CHARACTERISTICS:
43     LENGTH: 348 amino acids
44     TYPE: amino acid
45     STRANDEDNESS:
46     TOPOLOGY: linear
47     MOLECULE TYPE: peptide
48     OS-08-513-974B-46

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Query Match 94: 16.7% Score 31.0; DB 2; Length 348;
Best Local Similarity 28.7%; Pred. No. 1,3e-20;
Matches 94; Conservative 56; Mismatches 149; Indels 28; Gaps 8;

QY 38 VLVSVEETVLGIIEVSLSLGNVCAVLVAAR---RRGASASLVNLFCAIDLIF TSAIP 93
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 31 VENFITLVAVFGLIFPMGVSLVLTVAASFKPGKPRSTYTNFIINTLSIADLAVALFLCIP 90
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 94 LVLVVRTEAMVLGNVVCCHLRFYWTMSGSVYILLTFLAVSLERAVCIYLRGLSGSPGR 153
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 91 FOATYVALPTWVLGNFICKFIHYFTVSNLVSIFLPLAMSVDRYVALIYHSRRSSSLRYSR 150
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 154 TQALLAFTWGYSAALALPLLYTLFRVVPQRLPFGQOEIRICTLDMPNRIGISWDVPFET 213
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 151 NALLGVGFIWALSIMASPV-----AYHQRLPHRSNQTFCQWQPNKHLKKAAYVCTFEV 205
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 214 LNFVLGVIVIVSYSLKILQITKASRRKLLTSLAYESHQIRVQODYRLFRLLFLAMTSF 273
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 206 FGYLPLRLILCCYAKVNLHHLKKLKNMSK---SEASKKKAQ-----TVLVAVVVF 255
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 214 FIMSPFIITILLILQNFRODLVWPISLFFENV--AFTFANSALNPLIYM--SLRN 328
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 256 GISWLRPHNVHLMAEFGA---PLTPASFERRIYAHCLAVSSVNPRIYAFLEENRPK 311
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

Qy      329 EWRIIFCCFFFEPEKALFTDTSVRND 355
          ::::| | | |
Db      312 AYKQVFKCHVCDSPRSETKENKSRMD 338

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RESULT 8
US-08-513-974B-342
; Sequence 342, Application US/08513974B

GENERAL INFORMATION:

APPLICANT: HOBODA, Masak

APPLICANT: Ohtaki, Tetsu

APPLICANT: Ohgi, Kazuhir

TITLE OF INVENTION: PRODUCTION, AND USE THEREOF

NUMBER OF STREAMS: 100

CORRESPONDENCE ADDRESS:

STREET: 130 Water Street

STATE: MA
COUNTRY: USA

ZIP: 02109

MEDIUM TYPE:
COMPUTER: TP

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE:  DataTrn Polaris #1 0  Version #1 20

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; CURRENT APPLICATION DATA:
  APPLICATION NUMBER: IIS/08/513 874B

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FILING DATE: 14-SEP-1995
CLASSIFICATION: 535

PRIOR APPLICATION DATA:
APPLICATION NUMBER: BCT/TB95/015998

FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186

FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611

FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 6-270017
FILING DATE: 03-NOV-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357

FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274

FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272

ATTORNEY/AGENT INFORMATION: FILING DATE: 11-AUG-1994

NAME: Resnick, David S.
REGISTRATION NUMBER: 34 235

REFERENCE/DOCKET NUMBER: 45753

```

? TELEPHONE: 617-523-3400
? TELEFAX: 617-523-6440
? INFORMATION FOR SEQ ID NO: 3422
? SEQUENCE CHARACTERISTICS:
? LENGTH: 348 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
US-08-513-974B-342

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Query Match	16.7%	Score	310;	DB 2;	Length	348;			
Best Local Similarity	28.7%	Pred	No. 1.3e-20;						
Matches	94;	Conservative	56;	Mismatches	149;	Indels	28;	Gaps	8;

US-08-993-0884-10
 : Sequence 10, Application US/0893088A
 : Patent No. 6287855
 : GENERAL INFORMATION:
 : APPLICANT: Tan, Carina
 : APPLICANT: Sullivan, Kathleen
 : TITLE OF INVENTION: GALANIN RECEPTOR GALT2 AND
 : NUCLEOTIDES ENCODING SAME
 : NUMBER OF SEQUENCES: 20
 : CORRESPONDENCE ADDRESSES:
 : ADDRESSEE: Merck & Co., Inc.
 : STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 : CITY: Rahway
 : STATE: NJ
 : COUNTRY: USA
 : ZIP: 07065-0900
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Diskette
 : COMPUTER: IBM Compatible
 : OPERATING SYSTEM: Windows
 : SOFTWARE: FastSeq for Windows Version 2.0b
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/993, 088A
 : FILING DATE: 18-DEC-1997
 : CLASSIFICATION: 530
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 60/033, 851
 : FILING DATE: 27-DEC-1996
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Heber, Sheldon O.
 : REGISTRATION NUMBER: 38, 179
 : REFERENCE/DOCKET NUMBER: 19846
 : TELECOMMUNICATION INFORMATION:

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? TELEPHONE: 732-594-1958
?
? TELEFAX: 732-594-4720
?
? TELEX:
?
? INFORMATION FOR SEQ ID NO: 10:
?
? SEQUENCE CHARACTERISTICS:
?
? LENGTH: 348 amino acids
?
? TYPE: amino acid
?
? STRANDEDNESS: single
?
? TOPOLOGY: linear
?
? MOLECULE TYPE: protein
?
US-08-993-088A-10

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Query Match	16.7%;	Score 310;	DB 2;	length 348;
Best Local Similarity	28.7%;	Pred. No. 1.3e-20;		
Matches	94;	Conservative	149;	Indels 28;
		Mismatches	149;	Gaps 8;

RESULT 10
 US-08-993-424B-10
 Sequence 10, Application US/08993424B
 Patent No. 6337206
 GENERAL INFORMATION:
 APPLICANT: Tan, Carina
 APPLICANT: Kojakowski, Lee F., Jr.
 TITLE OF INVENTION: MOUSE GALANIN RECEPTOR GALR2 AND
 TITLE OF INVENTION: NUCLEOTIDES ENCODING SAME
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRES:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows
 SOFTWARE: FASTSEQ for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/993,424B
 FILING DATE: 18-DEC-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/033,851
 FILING DATE: 27-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Haber, Sheldon O.
 REGISTRATION NUMBER: 38,179


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/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO 5
/ LENGTH: 348
/ TYPE: PRF
/ ORGANISM: mouse
US-09-595-549-5

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Query Match	16.7%	Score 310,	DB 2:	Length 348;
Best Local Similarity	28.7%	Pred. No. 1.3e-20;		
Matches 94;	Conservative 56;	Mismatches 149;	Indels 28;	Gaps 8;

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QY 38 VLSVSTVTLVGLIFVWSLLGNCAVLVLR---RRRASAVLVNIFCADILF-TSAIP 93
Db 31 VNFIFLTVVFGILFANGVGNLSVLTVTLARSKRGKPRSTNLFILNISTADLVLLFCIP 90
QY 94 LVLVARWTEAMLLGVPVCHLLPYVTMGSGSTILLTAVLSERWACYLRRLGSGGRR 153
Db 91 FQATVVALPTWVVGAFICKFHYHFFVTSLVSIIFLAMSVDRAVALVHSRRSSLSVR 150
QY 154 TQALALAFMGVSALNALPLVYLFRFVPPORLPGGQOEIPICTLDMPRIGESVNDVEFET 213
Db 151 NALLGVGFIMALSIAWSPV-----AYHQRLPHRDSNQTFCMEQMPKHKKAYVVCFTV 205
QY 214 LNFVLVGLVTVISYKSLIOLITAKSKRLTSLASSESHQIVSGODRLFRITLFLWVSF 273
Db 206 FGLLPLLELLICCYAVALVNLHKKUKNNSSK---SEASKKTAQ-----TVLVVVVF 255
QY 274 FIMSPDIIITILLILIONFRDVLVWPSLFFVVV---AFTEANGALNPILYNN--SLFRN 328
Db 256 GISLWLPHHVHLWAEFGAF-----PLTPASFPRIRAHGLAVASNSVNPITIAFLSEHFRK 311
QY 329 EMRKIFCCFFPEKKAIFTDTSVRKD 355
Db 312 AYKQVEKCHVCDSPSESTENKKSAMD 338

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RESULT 13
 US-09-461-436B-46
 Sequence 46, Application US/09461436B
 Patent No. 6538107
 GENERAL INFORMATION:
 APPLICANT: Shuji Hinuma
 Yasuaki Ito
 Ryo Fujii
 TITLE OF INVENTION: G Protein Coupled Receptor Protein,
 Production, And Use Thereof
 NUMBER OF SEQUENCES: 61
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Edwards & Angell, LLP
 STREET: 101 Federal Street
 CITY: BOSTON
 STATE: MA
 COUNTRY: USA
 ZIP: 02209
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/461,436B
 FILING DATE: 14-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/513,974
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: PCT/JP95/01599
 FILING DATE: 10-AUG-1995
 APPLICATION NUMBER: 7-093989
 FILING DATE: 19-APR-1995
 APPLICATION NUMBER: 7-057186
 FILING DATE: 16-MAR-1995
 APPLICATION NUMBER: 7-007177

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1      FILING DATE: 20-JAN-1995
2      APPLICATION NUMBER: 6-326611
3      FILING DATE: 28-DEC-1994
4      APPLICATION NUMBER: 6-270017
5      FILING DATE: 02-NOV-1994
6      APPLICATION NUMBER: 6-236357
7      FILING DATE: 30-SEP-1994
8      APPLICATION NUMBER: 6-236356
9      FILING DATE: 30-SEP-1994
10     APPLICATION NUMBER: 6-189274
11     FILING DATE: 11-AUG-1994
12     APPLICATION NUMBER: 6-189273
13     FILING DATE: 11-AUG-1994
14     APPLICATION NUMBER: 6-189272
15     FILING DATE: 11-AUG-1994
16
17     ATTORNEY/AGENT INFORMATION:
18
19     NAME: CONLIN, DAVID G.
20     REGISTRATION NUMBER: <Unknown>
21     REFERENCE/DOCKET NUMBER: 45753 DIV2
22     TELECOMMUNICATION INFORMATION:
23     TELEPHONE: 617-439-4444
24     TELEFAX: 617-439-4170
25
26     INFORMATION FOR SEQ ID NO: 46:
27
28     SEQUENCE CHARACTERISTICS:
29
30     LENGTH: 348 amino acids
31     TYPE: amino acid
32     STRANDEDNESS: <Unknown>
33     TOPOLOGY: linear
34
35     MOLECULE TYPE: peptide
36
37     SEQUENCE DESCRIPTION: SEQ ID NO: 46:
38
39     IS-09-461-436B-46

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Query Match	16.7%;	DB 2;	Length	348;
Best Local Similarity	28.7%;	Score. No.	1.3e-20;	
Matches	94;	Conservative	56;	Mismatches
			145;	Indels
			28;	Gaps
			8	

Qy	38	UVSVETTVLIGIIIVALLSGVNCALVLAAR---RRGASALVNTFCADLLP-TSAIP	93
Db	31	VENFIIIVLVFGIIIPMGVIGNSLVITVLARSPCKRSTNMLFINLISADLVLPICP	90
Qy	94	LVLVVRMTAAALGVRVCHLFFVVTMGSGVTILTLLAASLERMVCYRLRLRGISGQRR	155
Db	91	FOATVVALPTWLVGAFICKFHYFFFTVSMVLISIFLLAASVDRYVALVHSRSSLSLRSR	155
Qy	154	TOALLAFIWSGSAALAPLVILFFVVRQRLPGGDOEIPICITLDPNNGEISMDVEPET	211
Db	151	NALLGVGFIMALSTIMASPV-----AYHQRLFHRNSQTFCEMGQPNKLHKKAAVVCfV	205
Qy	214	LNFVLVGLVIVISYKILDOIITAKSRKRLTSLVASESHQIRVSGQDRILFPTLELWVSF	277
Db	206	FGLLPPELLLICPCYAKVLNHLHKRLKNNSSK---SEASKKTAQ-----TVLWVVVF	255
Qy	274	FIMWSPIITILLIIIONFRODLVWPSLFFVVV---AFTEFASALNPILYNM--SLFRN	328
Db	256	GISWLPHHVHLMERGAf-----PLTPASFFPRIRHGLAVLANSNSVNPILIAFLSENP RK	311
Qy	329	EMRKIFPCCFPPPEKGAIFTDISVRND	355
Db	312	AYKOVFKCHVCDSPSPSTKNNKSNMD	338

RESULT 14
US-09-603-680-10
Sequence 10, Application US/09603680
Patent No. 6544753
GENERAL INFORMATION:
APPLICANT: Tan, Carina
Sullivan, Kathleen
TITLE OF INVENTION: GALANTIN RECEPTOR GALR2 AND
NUCLEOTIDES ENCODING SAME
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.

```

; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/603,680
; FILING DATE: 26-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/033,851
; FILING DATE: 27-DEC-1996
; APPLICATION NUMBER: 08/993,088
; FILING DATE: 18-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Heber, Sheldon O.
; REGISTRATION NUMBER: 38,179
; REFERENCE/DOCKET NUMBER: 19846 CA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1958
; TELEFAX: 732-594-4720
; TELETYPE: <Unknown>
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-603-680-10

Query Match      16.7%; Score 310; DB 2; Length 348;
Best Local Similarity 28.7%; Pred. No. 1.3e-20;
Matches 94; Conservative 56; Mismatches 149; Indels 28; Gaps 8;

QY 38 VLSVETTVGLIFVNSLGNVCALVLR--RRRGASASLVNLFCDLLE-TSAP 93
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 31 VENPITLVVGLIFANGVGNLSVITVLARSKPGKPRSTNLPFLNLSIADLAVLCIP 90
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 94 LVLVKRTAMLVGPVCHLLFYMTMSSGVTITLAAVSLERNVCIVLRGSGGRR 153
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 91 FOATVVALPTWVLGAFICKFIHYFFTVSMVLSIFTLAAMSVDRYVAIVHSRRSSLSRVS 150
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 154 TQALLAFIWGYSALALPLYLFRVVPORLPGGDEIPICITLDMPRRIGELISWDFET 213
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 151 NALLGVFFIALSLTAMASPV----AYHQRLEFRDSNOTFCWEGWPKLHKKAVVCTFV 205
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 214 LNFLVPLGLVIVISYKILQITKASRKRLTSLAYSSHQIRVSGQDVRFLRFTFLMVSF 273
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 206 FGVLPLLLICFCYAKVNLNHLKLMKMSKK---SEASKKKTAQ-----TVLVVVVF 255
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 274 FIMSPITITITLILQNFRODLVWPSLFFWV--AFTFANSALNPILYNN--SLFRN 328
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 256 GISVLPFHVVHLMFEGAF---PLTPASFFRITAHCLAYSNSVNPITIAFLSENFRR 311
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 329 EMRKIFCCFPPEKGAIFTDTSVRRND 355
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 312 AYKOVFKCHVCDSPRSETKENKSRMD 338
   | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 15
US-08-900-230-5
; Sequence 5, Application US/08900230
; Patent No. 6329197
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan A.
; TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS AND
```

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; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 11036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/900,230
; FILING DATE: 23-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 52241-C/JPW/ADM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 395 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
US-08-900-230-5

Query Match      16.7%; Score 310; DB 2; Length 395;
Best Local Similarity 28.9%; Pred. No. 1.5e-20;
Matches 93; Conservative 56; Mismatches 125; Indels 48; Gaps 9;

QY 38 VLSVETTVGLIFVNSLGNVCALVLR--RRRGASASLVNLFCDLLE-TSAP 90
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DB 30 VENPITLVVGLIFANGVGNLSVITVLARSKPGKPRSTNLPFLNLSIADLAVLCIP 89
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 91 APLVLVWRTAMLVGPVCHLLFYMTMSSGVTITLAAVSLERNVCIVLRGSGGRR 150
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 90 CIPFOATVVALPTWVLGAFICKFIHYFFTVSMVLSIFTLAAMSVDRYVAIVHSRRSSLSR 149
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 151 GRRTOALLAFIWGYSALALPLYLFRVVPORLPGGDEIPICITLDMPRRIGELISWDFET 210
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 150 VSRNALLGVGFIWALSIAMASPV--YVAVY--QRLEFRDSNOTFCWEGWPKLHKKAVVVC 205
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 211 FETLNLVPLGLVIVISYKIL-----QITASRKRLTSLAYSSHQIRVSGQD 259
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 206 TFFVGYLLPLLLICFCYAKVNLNHLKLMKMSKKSEASKKRATGKTA----- 252
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 260 YRLFRITFLMVSFPFIMSPITITLILQNFRODLVWPSLFFWV--AFTFANSAL 316
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 253 ---QTVLVVVVFGISMDPHVYIHLMAEFGAF---PLTPASFFRITAHCLAYSNSV 304
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 317 NPILYNN--SLFRNEMRKIFCC 336
   | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 305 NPITIAFLSENFRRKAYKQVFKC 326
   | : | : | : | : | : | : | : | : | : | : | : | : | : |

Search completed: December 5, 2005, 08:54:12
Job time : 49 secs
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Db 241 CCTGAGCAAGTCAATCGACCCACTCCCTTTCTTCGATGTCAGAGGCGACACC 300
QY 301 GGTGGTGTAGCGTGTGAGAGACCGCTTGTGGAGTCACTTTGTGTCTGATG 360
Db 301 GGTGGTGTAGCGTGTGAGAGACCGCTTGTGGAGTCACTTTGTGTCTGATG 360
QY 361 TGGGCAACGTGTGTCTAGTCTGTGTGCGCGCCGTGCGCGCGTGGGGCGTCA 420
Db 361 TGGGCAACGTGTGTCTAGTCTGTGTGCGCGCCGTGCGCGCGTGGGGCGTCA 420
QY 421 GCTGTGTCTCAACCTCTTCTGCGCGGATTTGCTTTACACAGCGGCATCTCT 480
Db 421 GCTGTGTCTCAACCTCTTCTGCGCGGATTTGCTTTACACAGCGGCATCTCT 480
QY 481 TGTGTGTGTGAGCTGAGAGCGCTGTGTGTGGGCGCGGCTGTGCACTGTCT 540
Db 481 TGTGTGTGTGAGCTGAGAGCGCTGTGTGTGGGCGCGGCTGTGCACTGTCT 540
QY 541 AGGTGATGACATGAGACCGGACGCTACGATCTCTCACTGCGCGGCTGAGC 600
Db 541 AGGTGATGACATGAGACCGGACGCTACGATCTCTCACTGCGCGGCTGAGC 600
QY 601 GCATGTGTGTGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
Db 601 GCATGTGTGTGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
QY 661 CGGCACTGT 720
Db 661 CGGCACTGT 720
QY 721 TGT 780
Db 721 TGT 780
QY 781 TGT 840
Db 781 TGT 840
QY 841 TGT 900
Db 841 TGT 900
QY 901 CATGCGGAGAGGCTTACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Db 901 CATGCGGAGAGGCTTACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
QY 961 CCCAACAAGACTACCGACTCTTTCGCAAGCTCTTCTGTGTGTGTGTGTGT 1020
Db 961 CCCAACAAGACTACCGACTCTTTCGCAAGCTCTTCTGTGTGTGTGTGTGT 1020
QY 1021 TGT 1080
Db 1021 TGT 1080
QY 1081 TGT 1140
Db 1081 TGT 1140
QY 1141 TAAACCCCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Db 1141 TAAACCCCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
QY 1201 GCTTCTTTTTCAGAGAGGAGGCACTTTTACAGTACGTCTGTCAAGCGAAT 1260
Db 1201 GCTTCTTTTTCAGAGAGGAGGCACTTTTACAGTACGTCTGTGTCAAGCGA 1260
QY 1261 TGT 1320
Db 1261 TGT 1320
QY 1321 GGGAGTTAACTTAAGAGAAAGCCACAGTGTGTGTGTGTGTGTGTGTGTGT 1380
Db 1321 GGGAGTTAACTTAAGAGAAAGCCACAGTGTGTGTGTGTGTGTGTGTGTGT 1380

QY 1381 ACAGAGGATCTAGAGAGCCAGCAAAATTAAAGAAATGATGCTCATATAAATAT 1440
Db 1381 ACAGAGGATCTAGAGAGCCAGCAAAATTAAAGAAATGATGCTCATATAAATAT 1440
QY 1441 TCTTAAAGAACTTCTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1500
Db 1441 TCTTAAAGAACTTCTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1500
QY 1501 GATCTAGTTAATAAATTTTATTTATTAACGTCTCTACAAAAAATTTTATTT 1560
Db 1501 GATCTAGTTAATAAATTTTATTTATTAACGTCTCTACAAAAAATTTTATTT 1560

RESULT 2
US-10-077-698-5
; Sequence 5, Application US/10077698
; Publication No. US2003008350A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US2003008350A1 G-Protein Coupled Recept.
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; PRIOR FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1560
; TYPE: DNA
; ORGANISM: Murine ortholog
US-10-077-698-5

Query Match 100.0%; Score 1560; DB 5; Length 1560;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 TTTCCAAAGTCAAGCTTACGCTTCTTCACTGCAATCTCAAGAGGGTTTCATGAGTGC 60
QY 61 TTCAACCACTAGTACCACTCCAGACTGTCCGGTTTACCAGATCTTTCACAGGGAG 120
Db 61 TTCAACCACTAGTACCACTCCAGACTGTCCGGTTTACCAGATCTTTCACAGGGAG 120
QY 121 TCGATGACCTCTTGTGACAGCCAGAGCGCGCAGCTCCGCCATCTTCCCGAGCGGTG 180
Db 121 TCGATGACCTCTTGTGACAGCCAGAGCGCGCAGCTCCGCCATCTTCCCGAGCGGTG 180
QY 181 GCGGCGCGCGCGAGTATCCCTGAGTGTGACAGAGAGCGGCGCTGTCTCCGACAC 240
Db 181 GCGGCGCGCGCGAGTATCCCTGAGTGTGACAGAGAGCGGCGCTGTCTCCGACAC 240
QY 241 CCTGTGACCAATGTGACATGCCACCACTTCCCTTCTTCCGATGTCAAGGGGAGAC 300
Db 241 CCTGTGACCAATGTGACATGCCACCACTTCCCTTCTTCCGATGTCAAGGGGAGAC 300
QY 301 GGTGGTGTGTGAGCGTGTGAGAGCACCGTCTGTGGACTCATCTTTGTGTCTCACTGC 360
Db 301 GGTGGTGTGTGAGCGTGTGAGAGCACCGTCTGTGGACTCATCTTTGTGTCTCACTGC 360
QY 361 TGGGCAACGT 420
Db 361 TGGGCAACGT 420
QY 421 GCTGTGTCTCAACCTCTTCTGCGCGGATTTGCTTTACACAGCGGCATCTCTTGTG 480
Db 421 GCTGTGTCTCAACCTCTTCTGCGCGGATTTGCTTTACACAGCGGCATCTCTTGTG 480

OY	481	TGCTGTGTCGCTGACCTGAGGCGCTGAGCTGTGGAGGCGCGTGTGTCGCAACCTGCTCT	540
Db	481	TGCTGTGTCGCTGACCTGAGGCGCTGAGCTGTGGAGGCGCGTGTGTCGCAACCTGCTCT	540
OY	541	ACGTGATGACAATGAGCGGACAGCGCTCAGCATCTCTCACTGAGCGCGGTCAAGCTTGAGGC	600
Db	541	ACGTGATGACAATGAGCGGACAGCGCTCAGCATCTCTCACTGAGCGCGGTCAAGCTTGAGGC	600
OY	601	GCATGTGTGCATCTGTGCGCCTCCGCGCGGCTTTAGAGGCGCTCGGGGCGGCGGACTCAGG	660
Db	601	GCATGTGTGCATCTGTGCGCCTCCGCGCGGCTTTAGAGGCGGCTCGGGGCGGCGGACTCAGG	660
OY	661	CGGCACTGCTGGCTTTCAATATGGGGTTACTGGGCGCTGGCGCGCTGCCCCCTTACATCT	720
Db	661	CGGCACTGCTGGCTTTCAATATGGGGTTACTGGGCGCTGGCGCGCTGCCCCCTTACATCT	720
OY	721	TGTTCCGGGTGGTCCCGGACGCGCTTCCCGCGGCGGACACAGGAAATTCGAAATTTGACAT	780
Db	721	TGTTCCGGGTGGTCCCGGACGCGCTTCCCGCGGCGGACACAGGAAATTCGAAATTTGACAT	780
OY	781	TGGATTGACCCCAACCGCATAGGAGAAATCTCATGSGAATGTGTTTTTGAAGCTTTGAAC	840
Db	781	TGGATTGACCCCAACCGCATAGGAGAAATCTCATGSGAATGTGTTTTTGAAGCTTTGAAC	840
OY	841	TCCGTGTGCCGGGACTTGCTCATTTGTGATCAGTTACTCCAAAATTTTACAGATCAGAAAG	900
Db	841	TCCGTGTGCCGGGACTTGCTCATTTGTGATCAGTTACTCCAAAATTTTACAGATCAGAAAG	900
OY	901	CATCGCGGAGAGGCTTAGCTGAGCTTTGGACATCTCTGAGAGCCAGCAGATCCGAGTGT	960
Db	901	CATCGCGGAGAGGCTTAGCTGAGCTTTGGACATCTCTGAGAGCCAGCAGATCCGAGTGT	960
OY	961	CCCAACAAGACTACCGACTCTTTCGCGACGCTCTTCTGCTCAGTGGTTTTCTTTTCATCA	1020
Db	961	CCCAACAAGACTACCGACTCTTTCGCGACGCTCTTCTGCTCAGTGGTTTTCTTTTCATCA	1020
OY	1021	TGTGAGTGTCCCATCATCATACCATCTCTCTCATCTTGTATCCAAAATTTCCGACAGAAC	1080
Db	1021	TGTGAGTGTCCCATCATCATACCATCTCTCTCATCTTGTATCCAAAATTTCCGACAGAAC	1080
OY	1081	TGCTCATCTGGCGCATCCCTTTTCTCTGSGGTGGTGGCCCTTACAGTTTCCCAACTCTGACC	1140
Db	1081	TGCTCATCTGGCGCATCCCTTTTCTCTGSGGTGGTGGCCCTTACAGTTTCCCAACTCTGACC	1140
OY	1141	TAAACCCCATACTGTACAAACATGTGCTGTTCAGAGACGAATGAGAGAAGATTTTTTGCT	1200
Db	1141	TAAACCCCATACTGTACAAACATGTGCTGTTCAGAGACGAATGAGAGAAGATTTTTTGCT	1200
OY	1201	GCTTCTTTTTTCCAGAGAAAGGAGCCATTTTTTACAGATACGTTGTGACGGCGAAATGACT	1260
Db	1201	GCTTCTTTTTTCCAGAGAAAGGAGCCATTTTTTACAGATACGTTGTGACGGCGAAATGACT	1260
OY	1261	TGTCGTATTTTCCAGCTTACCTACAGCTCTGGTCCAGGTGAAACCAACGGTGTGCAATGTAA	1320
Db	1261	TGTCGTATTTTCCAGCTTACCTACAGCTCTGGTCCAGGTGAAACCAACGGTGTGCAATGTAA	1320
OY	1321	GGGAGTTTAACCTTCAAGAGAAAGCCCAACAGTGGCGCCCTTTTAAATAATCCCGACTTCCA	1380
Db	1321	GGGAGTTTAACCTTCAAGAGAAAGCCCAACAGTGGCGCCCTTTTAAATAATCCCGACTTCCA	1380
OY	1381	ACAGCAGGCATCTACGAGCCAGCACAATTAAGAAATGATGCTCAGTATTAATAATATTTT	1440
Db	1381	ACAGCAGGCATCTACGAGCCAGCACAATTAAGAAATGATGCTCAGTATTAATAATATTTT	1440
OY	1441	TCCCTTAAAGAACTTTCTATGGGTCTCTTTGTGAACCTTTTAAAGTGTGTTGTAAATAT	1500
Db	1441	TCCCTTAAAGAACTTTCTATGGGTCTCTTTGTGAACCTTTTAAAGTGTGTTGTAAATAT	1500
OY	1501	GATCAGTAAATTAATTTTTTATTTATTAACGTGTTCTCTCAAAAAAATTTTTTTTTTTTTT	1560
Db	1501	GATCAGTAAATTAATTTTTTATTTATTAACGTGTTCTCTCAAAAAAATTTTTTTTTTTTTT	1560

RESULT 3

US-10-171-027-5

Sequence 5, Application US/10171027

Publication No. US20030073168A1

GENERAL INFORMATION:

APPLICANT: Glucksmann, Maria A.

APPLICANT: Tsai, Fong-Ying

TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Receptor

FILE REFERENCE: MNI-204CP3

CURRENT APPLICATION NUMBER: US/10/171, 027

CURRENT FILING DATE: 2002-06-12

PRIOR APPLICATION NUMBER: US/09/456,455

PRIOR FILING DATE: 1999-12-08

PRIOR APPLICATION NUMBER: 09/223,538

PRIOR FILING DATE: 1998-12-30

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 5

LENGTH: 1560

TYPE: DNA

ORGANISM: Murine ortholog

US-10-171-027-5

Query Match

Best Local Similarity 100.0%; Score 1560; DB 5; Length 1560;

Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGCCAAGCTGAGCGCTAAGCCTCTCCACCTGCAATCTCACAAGAGGGTTCAATGAGATGC 60

1 TTGCCAAGCTGAGCGCTAAGCCTCTCTCCACCTGCAATCTCACAAGAGGGTTCAATGAGATGC 60

61 TTCACACCATGATGACCATCTCCAGACTTGTCCGGCTTTACCCGAATCTTCAACAGCGGAG 120

61 TTCACACCATGATGACCATCTCCAGACTTGTCCGGCTTTACCCGAATCTTCAACAGCGGAG 120

121 TCGATGACCTCTTGACAGGCCACGAGCGCGGCGAGCTCCGCGCATTTTCCCGAGCGCGTGG 180

121 TCGATGACCTCTTGACAGGCCACGAGCGCGGCGAGCTCCGCGCATTTTCCCGAGCGCGTGG 180

181 GCGGGGCGCGCGGCGATGTCCTCCCTGAGTGTGACAGACGAGCGGCGCTGATCCCTGACACA 240

181 GCGGGGCGCGCGGCGATGTCCTCCCTGAGTGTGACAGACGAGCGGCGCTGATCCCTGACACA 240

241 CCTGGAACCAATGATGATGACCAACCACTTCCCTTTCTCGGATGTCAAGGCGACCAAC 300

241 CCTGGAACCAATGATGATGACCAACCACTTCCCTTTCTCGGATGTCAAGGCGACCAAC 300

301 GATTGATTTAGAGCTCTGTGAGACCAACCGTTCTGGGACTATCTTTGTGCTTCACTGCG 360

301 GATTGATTTAGAGCTCTGTGAGACCAACCGTTCTGGGACTATCTTTGTGCTTCACTGCG 360

361 TGGGCAACGTTGAGCTCTTAGTGTGAGTGGGCGCGCGCGCGCGCTGAGGCGCTGACGCA 420

361 TGGGCAACGTTGAGCTCTTAGTGTGAGTGGGCGCGCGCGCGCGCTGAGGCGCTGACGCA 420

421 GCTGTGAGCTCAACCTCTTCTGCGCGGATTTGCTTTTCAACGAGCGCATCTCCTTAAGTGC 480

421 GCTGTGAGCTCAACCTCTTCTGCGCGGATTTGCTTTTCAACGAGCGCATCTCCTTAAGTGC 480

481 TCGTGTGAGCTGAGCTGAGGCTTGTGAGTGGGCGCGCGCGCTGAGTGGCACTGCTCTTCT 540

481 TCGTGTGAGCTGAGCTGAGGCTTGTGAGTGGGCGCGCGCGCTGAGTGGCACTGCTCTTCT 540

541 ACGTGAATGACATGAGCGGCGAGCGTCAACGATCTTCAACATGCGCGCGGTCAAGCTGGAGC 600

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601 GCATGTGTGATGATGAGCGCTTCCGCGCGGCTTGAAGGCGCGCGGCGGCGGAGCTCAAG 660

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Db 661 CGGCACTGCTGGCTTTTCATATGGGGTTACCTGGCGGCTCGCGGCTGCCCTCTACATCT 720
QY 721 TGTTCGGCGTGGTCCCGCAGCGGCTTCCCGCGGGGACAGAAATTCGATTTGCAAT 780
Db 721 TGTTCGGCGTGGTCCCGCAGCGGCTTCCCGCGGGGACAGAAATTCGATTTGCAAT 780
QY 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGGATGTGTTTTTGAAGACTTTGAAC 840
Db 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGGATGTGTTTTTGAAGACTTTGAAC 840
QY 841 TCTTGGTCCGGGACCTGGTATTGTGATCAGTTACTTCGAAATTTTACAGATCAGAAAG 900
Db 841 TCTTGGTCCGGGACCTGGTATTGTGATCAGTTACTTCGAAATTTTACAGATCAGAAAG 900
QY 901 CATCGGGAAGAGAGCTTACGCTGAGCTGGCATACCTGAGAGCCACAGATCCGAGTG 960
Db 901 CATCGGGAAGAGAGCTTACGCTGAGCTGGCATACCTGAGAGCCACAGATCCGAGTG 960
QY 961 CCCAAGAGACTACCGCATCTTCCGCAAGCTCTTCTGCTCATGTGTTTCTTCTGATCA 1020
Db 961 CCCAAGAGACTACCGCATCTTCCGCAAGCTCTTCTGCTCATGTGTTTCTTCTGATCA 1020
QY 1021 TGTGGAGTCCCATCATCATACCATCTCTCTCATCTTGATCCAAACTTCCGCAAGACC 1080
Db 1021 TGTGGAGTCCCATCATCATACCATCTCTCTCATCTTGATCCAAACTTCCGCAAGACC 1080
QY 1081 TGGTCATCTGGGACATCCCTTTCTTGGGTTGGGCTTCAAGTTTGGCAACTGAGCC 1140
Db 1081 TGGTCATCTGGGACATCCCTTTCTTGGGTTGGGCTTCAAGTTTGGCAACTGAGCC 1140
QY 1141 TAAACCCCATCTGTAACACATGTGCTGTTTCAAGAACGAAATGAGAGAAATTTTGTCT 1200
Db 1141 TAAACCCCATCTGTAACACATGTGCTGTTTCAAGAACGAAATGAGAGAAATTTTGTCT 1200
QY 1201 GCTTCTTTTTCAGAGAGAGGAGCCATTTTACAGATACGTCTGTACGCGGAATGACT 1260
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QY 1261 TGTCTGTATTTCAGTAACTAGCCCTGTGTCAGAGTAAACGAGTGTGATGAA 1320
Db 1261 TGTCTGTATTTCAGTAACTAGCCCTGTGTCAGAGTAAACGAGTGTGATGAA 1320
QY 1321 GGGAGTTAACTTCAGGAAAGCCACCAAGTGCCTGCTTTAAATAATCCGACTTCCA 1380
Db 1321 GGGAGTTAACTTCAGGAAAGCCACCAAGTGCCTGCTTTAAATAATCCGACTTCCA 1380
QY 1381 ACAGCAGGCACTTACGAGCCAGCAAAATTAAGAAATGATCGTCAGTATAAAAATATTTT 1440
Db 1381 ACAGCAGGCACTTACGAGCCAGCAAAATTAAGAAATGATCGTCAGTATAAAAATATTTT 1440
QY 1441 TCCCTTAAAGAACTTTCTATAGGGTCTTTTGAACCTTTTAAAGTGTGTAATAT 1500
Db 1441 TCCCTTAAAGAACTTTCTATAGGGTCTTTTGAACCTTTTAAAGTGTGTAATAT 1500
QY 1501 GATCTAGTTAATAATTTTATTTATTAACGTTCTCTACAAAAAATTTTAAAAAATTTT 1560
Db 1501 GATCTAGTTAATAATTTTATTTATTAACGTTCTCTACAAAAAATTTTAAAAAATTTT 1560

RESULT 4

US-10-075-987-5
; Sequence 5, Application US/10075987
; Publication No. US20030166061A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/075,987
; PRIOR FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/223,538

QY 1 TTECCAAAGTCAAGCGTAACTTTCTCACTGCAATCTCAGAGAGGGTTGATGAGTGC 60
Db 1 TTGCCAAAGTCAAGCGTAACTTTCTCACTGCAATCTCAGAGAGGGTTGATGAGTGC 60
QY 61 TTTCACACCATCAGTACCACTCCAGACTTGTCCGGCTTTTACCAGAACTTTACAGAGGAG 120
Db 61 TTTCACACCATCAGTACCACTCCAGACTTGTCCGGCTTTTACCAGAACTTTACAGAGGAG 120
QY 121 TGGATGACCTCTTGAACAGCAAGAGCGCGAGCTCCGCACTTCCCGAGCGGTG 180
Db 121 TGGATGACCTCTTGAACAGCAAGAGCGCGAGCTCCGCACTTCCCGAGCGGTG 180
QY 181 GCGGAGCGCCGAGCATGTCCTTGAAGTGCACAGACGAGGCGCTGTCTCCGACCA 240
Db 181 GCGGAGCGCCGAGCATGTCCTTGAAGTGCACAGACGAGGCGCTGTCTCCGACCA 240
QY 241 CCTGGAACCAATGCAATTCGACCCACTTCCCTTTCTTCTGATGTCAGAGGAGACCA 300
Db 241 CCTGGAACCAATGCAATTCGACCCACTTCCCTTTCTTCTGATGTCAGAGGAGACCA 300
QY 301 GGTGGTGTGAGCGGTGAGAGACCAAGCTTCTGAGACTCATCTTGTGTCTCACTGC 360
Db 301 GGTGGTGTGAGCGGTGAGAGACCAAGCTTCTGAGACTCATCTTGTGTGTCTCACTGC 360
QY 361 TGGGCAACGATGTGCTCTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db 361 TGGGCAACGATGTGCTCTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
QY 421 GCTGTGTCTCAACCTTCTTGTGCGGAGTTTGTCTTTCACAGCGCATCTCTGTGTGC 480
Db 421 GCTGTGTCTCAACCTTCTTGTGCGGAGTTTGTCTTTCACAGCGCATCTCTGTGTGC 480
QY 481 TGT 540
Db 481 TGT 540
QY 541 ACATGATGACAAATGAGCGGAGCGTCAAGTCTCAACTGCGCGGATCAAGCTGTGAGC 600
Db 541 ACATGATGACAAATGAGCGGAGCGTCAAGTCTCAACTGCGCGGATCAAGCTGTGAGC 600
QY 601 GCATGT 660
Db 601 GCATGT 660
QY 661 CGGCACTGCTGAGCTTTCATATGGGGTTACTCGAGCTCGCGCTGCTCTTACATCT 720
Db 661 CGGCACTGCTGAGCTTTCATATGGGGTTACTCGAGCTCGCGCTGCTCTTACATCT 720
QY 721 TGTTCGGCGTGGTCCCGCAGCGGCTTCCCGCGGGGACAGAAATTCGATTTGCAAT 780
Db 721 TGTTCGGCGTGGTCCCGCAGCGGCTTCCCGCGGGGACAGAAATTCGATTTGCAAT 780
QY 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGGATGTGTTTTTGAAGACTTTGAAC 840
Db 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGGATGTGTTTTTGAAGACTTTGAAC 840
QY 841 TCTTGGTCCGGGACCTGGTATTGTGATCAGTTACTTCGAAATTTTACAGATCAGAAAG 900
Db 841 TCTTGGTCCGGGACCTGGTATTGTGATCAGTTACTTCGAAATTTTACAGATCAGAAAG 900

QY 901 CATCGCGAAGAGGCTTACGCTGAGCTTGGACATCTGAGAGCCACAGATCCGAGTGT 960
| | | | |
Db 901 CATGCGGAGAGGCTTACGCTGAGCTTGGACATCTGAGAGCCACAGATCCGAGTGT 960
QY 961 CCCAACAAGACTACGAGCTCTTCCGACAGCTCTTCTGCTGATGATGTTCTTCTTCA 1020
| | | | |
Db 961 CCCAACAAGACTACGAGCTCTTCCGACAGCTCTTCTGCTGATGATGTTCTTCTTCA 1020
QY 1021 TGTGGAGTCCCATCATATCAATCCCTCTCATCTTGTATCAAAATCTTCCGAGAGACC 1080
| | | | |
Db 1021 TGTGGAGTCCCATCATATCAATCCCTCTCATCTTGTATCAAAATCTTCCGAGAGACC 1080
QY 1081 TGTGATCTGAGCATTCCCTTCTTCTGAGTGTGAGCTTCAAGCTTGGCAACTCTGACC 1140
| | | | |
Db 1081 TGTGATCTGAGCATTCCCTTCTTCTGAGTGTGAGCTTCAAGCTTGGCAACTCTGACC 1140
QY 1141 TAAACCCCATATCTGTACACATGTGCTGTTCAGAGAACAAATGAGAGAAATTTTGTCT 1200
| | | | |
Db 1141 TAAACCCCATATCTGTACACATGTGCTGTTCAGAGAACAAATGAGAGAAATTTTGTCT 1200
QY 1201 GCTTCTTTTTCAGAGAGAGGAGCCATTTTACAGATAGCTGTCTGAGGAAATGACT 1260
| | | | |
Db 1201 GCTTCTTTTTCAGAGAGAGGAGCCATTTTACAGATAGCTGTCTGAGGAAATGACT 1260
QY 1261 TGTCTGTTATTTCCAGCTTAACTAGCCTCTGAGTGCAGAGTGAACACAGGTGTCATGTA 1320
| | | | |
Db 1261 TGTCTGTTATTTCCAGCTTAACTAGCCTCTGAGTGCAGAGTGAACACAGGTGTCATGTA 1320
QY 1321 GGGAGTTTAACTTCAAGAGAAAGCCACAGATGCGCTGCTTAAATAATACCCGACTTCA 1380
| | | | |
Db 1321 GGGAGTTTAACTTCAAGAGAAAGCCACAGATGCGCTGCTTAAATAATACCCGACTTCA 1380
QY 1381 ACAGAGGAGCATCTACGAGAGCCAGCAATTAAGAAATGATGCTGATGTAATAATATTT 1440
| | | | |
Db 1381 ACAGAGGAGCATCTACGAGAGCCAGCAATTAAGAAATGATGCTGATGTAATAATATTT 1440
QY 1441 TCCCTAAAGAACTTTCATGAGGTTCCTTTGTGAACCTTTTAAAGTGTGTTGTAATAT 1500
| | | | |
Db 1441 TCCCTAAAGAACTTTCATGAGGTTCCTTTGTGAACCTTTTAAAGTGTGTTGTAATAT 1500
QY 1501 GATCTAGTATTAATATTTTATTTATTAACGTTCTTCAAAAATTTTAAAAATTTTAAAA 1560
| | | | |
Db 1501 GATCTAGTATTAATATTTTATTTATTAACGTTCTTCAAAAATTTTAAAAATTTTAAAA 1560

RESULT 5
US-10-086-181-6
; Sequence 6, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruch
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; FILE REFERENCE: NMI-220
; DISORDERS, INCLUDING OBESITY AND DIABETES
; CURRENT APPLICATION NUMBER: US/10/086,181
; PRIOR FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Murine ortholog
US-10-086-181-6

Query Match 69.64; Score 1086; DB 5; Length 1086;
Best Local Similarity 100.04; Pred. No. 9,4e-282;
Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 255 AATGCAACCACTTCCCTTTCTTCTGAGATGTAAGGCGACCAACCGGTTGGTTAGC 314
| | | | |
Db 61 AATGCAACCACTTCCCTTTCTTCTGAGATGTAAGGCGACCAACCGGTTGGTTAGC 120
QY 315 GTGCTGAGAGACCAACGTTCTGAGGACTCATCTTTGCTCTCACTGCTGAGCAAGTGT 374
| | | | |
Db 121 GTGCTGAGAGACCAACGTTCTGAGGACTCATCTTTGCTCTCACTGCTGAGCAAGTGT 180
QY 375 GCTCTAGTGTGTGAGCGCGCGCTGAGCGCGCGGAGCGTCAAGCCTGTGTCTAAC 434
| | | | |
Db 181 GCTCTAGTGTGTGAGCGCGCGCTGAGCGCGGAGCGTCAAGCCTGTGTCTAAC 240
QY 435 CTCTTCTGAGGAGATTTGCTCTTCAACAGAGGCAATCCCTCTAGTGTGTGTGTGTG 494
| | | | |
Db 241 CTCTTCTGAGGAGATTTGCTCTTCAACAGAGGCAATCCCTCTAGTGTGTGTGTGTG 300
QY 495 ACTGAGGCTGTGAGTGTGAGGCGCGCTGTGCACTGCTCTTCAAGTATGACATG 554
| | | | |
Db 301 ACTGAGGCTGTGAGTGTGAGGCGCGCTGTGCACTGCTCTTCAAGTATGACATG 360
QY 555 AGCGGAGCGTCAAGATCTTCAACTGAGCGCGGTCAAGCTGAGCGCATGTGTGATC 614
| | | | |
Db 361 AGCGGAGCGTCAAGATCTTCAACTGAGCGCGGTCAAGCTGAGCGCATGTGTGATC 420
QY 615 GTGCGCTTCCGCGCGGCTTGAAGCGCGCGGAGGAGGAGTCAAGCGGCACTGTGCT 674
| | | | |
Db 421 GTGCGCTTCCGCGCGGCTTGAAGCGCGCGGAGGAGGAGTCAAGCGGCACTGTGCT 480
QY 675 TTGATATGAGGATTAAGTGTGAGCGCTGAGCGCGGTCTTCAATCTTGTCCGCTGATC 734
| | | | |
Db 481 TTGATATGAGGATTAAGTGTGAGCGCTGAGCGCGGTCTTCAATCTTGTCCGCTGATC 540
QY 735 CCGGAGCGCTTCCGCGCGGAGGAGCAGAGAAATTCGATTTGACATTTGATGATG 794
| | | | |
Db 541 CCGGAGCGCTTCCGCGCGGAGGAGCAGAGAAATTCGATTTGACATTTGATGATG 600
QY 795 CGCATAGAGAAATCTATGAGATGTGTTTGAAGCTTTGAACCTTCTGTGTGTGAG 854
| | | | |
Db 601 CGCATAGAGAAATCTATGAGATGTGTTTGAAGCTTTGAACCTTCTGTGTGTGAG 660
QY 855 CTGATCATGTGATCAGTTACTCCAAATTTTACAGTCAAGAAAGATGCGGAGAGG 914
| | | | |
Db 661 CTGATCATGTGATCAGTTACTCCAAATTTTACAGTCAAGAAAGATGCGGAGAGG 720
QY 915 CTTACGCTGAGCTTGGCATCTGAGAGGCAACGATCCGATGCTCAACAGACTAC 974
| | | | |
Db 721 CTTACGCTGAGCTTGGCATCTGAGAGGCAACGATCCGATGCTCAACAGACTAC 780
QY 975 GAGCTTCTCCGACGCTCTTCTGCTGATGATGTTCTTCTTCAATGATGAGTCCATC 1034
| | | | |
Db 781 GAGCTTCTCCGACGCTCTTCTGCTGATGATGTTCTTCTTCAATGATGAGTCCATC 840
QY 1035 ATATCAACATCCCTCATCTTGAATCCAAACTCCGAGAGACCTGTGATGTGCA 1094
| | | | |
Db 841 ATATCAACATCCCTCATCTTGAATCCAAACTCCGAGAGACCTGTGATGTGCA 900
QY 1095 TCCCTTTCTTCTGAGTGTGAGCTTCAAGCTTGTGCAACTCTGCTTAAACCCCATAGT 1154
| | | | |
Db 901 TCCCTTTCTTCTGAGTGTGAGCTTCAAGCTTGTGCAACTCTGCTTAAACCCCATAGT 960
QY 1155 TACAAATGTGCTGTTCAGAAAGAAATGAGAGAAATTTTGTGCTGCTTTTTC 1214
| | | | |
Db 961 TACAAATGTGCTGTTCAGAAAGAAATGAGAGAAATTTTGTGCTGCTTTTTC 1020
QY 1215 GAGAGGAGGAGCAATTTTACAGATAGTCTGACAGGAGAAATGATGCTGTATTTCC 1274
| | | | |
Db 1021 GAGAGGAGGAGCAATTTTACAGATAGTCTGACAGGAGAAATGATGCTGTATTTCC 1080
QY 1275 AGCTTAA 1280
| | | | |
Db 1081 AGCTTAA 1086


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RESULT 6
US-10-149-826-59
; Sequence 59, Application US/10149826
; Publication No. US2004024314A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: BUREFORD, Neil
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: YANG, Junming
; APPLICANT: LU, Dyoung Aina M.
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0001 PCT
; CURRENT APPLICATION NUMBER: US/10/149, 826
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/172, 852; 60/171, 732; 60/176, 148; 60/177, 331
; PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 59
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: incyte ID No: 5029478CBI
US-10-149-826-59

```

Query Match	55.7%;	Score 868.4;	DB 8;	Length 1321;
Best Local Similarity	79.7%;	Pred. No. 5e-223;		
Matches 1043;	Conservative	0;	Mismatches 251;	Indels 14;
				Gaps 14

OY	170	CGGAGCGCTGGGGCCGGGGCGCCGGGATGTCCTCCCTAGTGTGACAGACGACGGGCTTGG	229
Db	5	CCGCTGCGGGGCGGACGGCCCGGGGAATGTCCCTTAAATCCGCGGGGACGCGGGGACGC	64
OY	230	TCCCTCGACACCTTGGACCAAGTCAATCGACCCGACTTTCCTTTCCTTCTGGATGTCAA	289
Db	65	GCCCTTGGCGAGCTGGAGCAAGGCCAACGGACCCGCTTTCCTTCTTCGAGCTGCAA	124
OY	290	GGGGGACCAACCGGTTGGTGTGGAGGCTGTTGGAGACACCCGTTCTGGGACTATCTTTGT	349
Db	125	GGGGACCAACCGGCTGGTGTGGCCGCGGGTGGAGCAACCGGTGTTGCTCATCTTTTGC	184
OY	350	CGTCTCAGTGGGGGACAACTGTGTGCTTAACTGTGTGGGGGGGGCGCCGTCGGGCGCGTGG	409
Db	185	AGTGTGCTGTGGGCAACGTGTGGCCCTGTGTGCTGGTGGCGCCGACAGACGCGCGGG	244
OY	410	GGCGCTCAGCCAGCCCTGTGTGCTCAACCTCTTCTGCGCGGATTTGTCTTACCAAGGCCAT	469
Db	245	CGGAGCTGCTGCGCTGGTATCAACTCTTCTTCTGCGCGGACCTGCTTTCATCAGGGCTAAT	304
OY	470	CCCTTCTAGTGTCTGTCGTGGCGCTGGACTGAGGCTTGGGCTGTGGGGCCCGTCTGTCCA	529
Db	305	CCCTCTGGTGTGGCGCGTGGCTGTGACTGAGGCTTGGGCTGTGGGCCCCGTTGCTGGCA	364
OY	530	CCTGCTCTTTCACGTGATGACAAATGAGGGGACGGTCAAGATCTTCAACATGAGGCGCGGT	589
Db	365	CCTGCTCTTTCACGTGATGACCTTAAGGGGACGGTCAACATCTTCAAGCTGTGGCGCGGT	424
OY	590	CAGCCTGAGCGCATGTGTGCATCGTGGCCTCTCGGCGCGGCTTGAACGAGCCCGAGGCG	649
Db	425	CAGCCTGAGGCGCATGTGTGCATCGTGCACCTGACGCGCGCGTGTCCGGGCTCTGGGCG	484
OY	650	GGGCACTAGGGCGGCACTGTGGCTTTTATATAGGGTTACTTGGGCGCTTGGCGGCGTGGC	709
Db	485	GCGGCGCGGGGCAGTGCTGTGGCCCTCATCTGGGGCTAATTGGGCGGTGCGCGCTCTGGC	544
OY	710	CCTCTAATCTTGTCCCGCGTGGTCCCGAGGCGCTTCCCGGCGGGGACAGAGAAATTCC	769
Db	545	TCTTGCCTCTTCTTCCAGATGTGTCCCGAAGCGCTCCCGGCGCGACAGAGAAATTTTC	604

OY	770	GATTGGACATATGGATTGGCCCAACCCGATAGAGGAATCTCATGGATGGTTTGTGA	829
Db	605	GATTGGACACTGATTTTGGCCCACTTCTCGAGAGAACTCTCGGGATGCTCTTTTGT	664
OY	830	GACTTTGAACCTCTGGTGCCGGGACTGGTCAATTGTGATCACTTATCCAAATTTTACA	889
Db	665	TACTTTTAAACTCTTGGTGGCCAGACTGGTCACTGTGATCACTTCAAAATTTTACA	724
OY	890	GATACGAAAGCATCGGGAAAGGCGTTAGCGTAGCTTAGGCACTCTGAGAGCCACA	949
Db	725	GATACAAAGGCACTCAAGGAAGAGGCTCAGGTTAGCCTGGCTTACTTCGAGAGCCACA	784
OY	950	GATCCGAGTGTCCCAACAAGACTACCGGACTCTTCGCGAGCCTCTTCTGCTCATGTGTTTC	1009
Db	785	GATCCGGGTGTCCAGAGAGACTTCGCGGCTCTTTCGACACTCTCTCTCTCATGTGCTTC	844
OY	1010	CTTTCTTATCATGTGGAGTCCCATCATCATCAACATCTCTCATCTTGAATCCAAACTT	1069
Db	845	CTTTCTTATCATGTGGAGCCCATCATCATCAACATCTCTCATCTGATCCGAACCTT	904
OY	1070	CCGGCAGAGCCTGGTCACTTGGCCCATCCCTTTCTTCTGGGTGGTGGCCTTCAAGTTTGC	1129
Db	905	CAACCAAGACTGGTCACTTGGCCGCTCCCTTCTTCTGGGTGGTGGCCTTCAATTTGC	964
OY	1130	CAACTTGGCCCTTAAACCCCATACTGTACAACTGTCCGCTGTTACAGAACGAATGGAGAA	1189
Db	965	TAAATTCAGCCCTTAAACCCCATCTCTTCAACATGTACACTGTGCGGAATGATGGAGAA	1024
OY	1190	GATTTTTTGTGCTCTTTTTCACAGAAAGGAGCATTTTTTCAGATTCAGTGTGCAG	1249
Db	1025	AATTTTTTGTGCTCTTGTGTTCCAGAAAGGAGCACTTTTAAACACACACTGTGTCAA	1084
OY	1250	GCGAAATGACTGTCTGTATTTCACACTACT-----AGCCTCTGTGTC	1295
Db	1085	AAGAAATGACTGTCTGTATTTCCTGCTAATTTTCTTTATAGCAGAGTTTCTCACACC	1144
OY	1296	AGGGAACCAACGGGTGCATGTAAAGGAGGTAACTTCAAGGAAGGCCAACAGTGGCC	1355
Db	1145	TGGGAGGTGGCATCTCTTTTAAACAGAGTTCAATTTCCAGTACCTTCCATCAATGGCAC	1204
OY	1356	CTGCTTTTAAATAATCCCGACTTCCACAGCAGGCACTTACGAGCCGACAAATTTAAGAA	1415
Db	1205	CTGCTTTTAAAGAAATGAACCTTATGCAAAATAGACATCAACAGCGTGTGTAATTTAAGGG	1264
OY	1416	TGATCGCTGATATAAAATATTTTCTTTTAAAGAACTTTCTTATGGG	1463
Db	1265	TGATCACCAAGTTTCATATAATATTTTCCCTTTTATAAAAGAAATTTGTTGG	1312

```

RESULT 7
US-10-086-181-1
; Sequence 1, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: NMI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; PRIORITY FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (44) ... (1129)
US-10-086-181-1

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Query Match 55.5%; Score 866.2; DB 5; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2.3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

Qy 181 GCCGGGGCCCGCATGTCCTGAGTGTGACAGACGAGCGGCTGTGCTCGACACA 240
Db GCCAGGGCCCGGGAATGTCCTGTAATGCGCGGGGAGCGGGGAGCGCGCTTGGGCA 89

Qy 241 CCTTGGACCAAGTCAATGACACCACTTCTTCTTCTGAGATGACAGGGGACACAC 300
Db GCCCTGGAGCAAGCCAGACCGGCTTCTTCTTCTTCTGAGATGACAGGGGACACAC 149

Qy 301 GGTGGATGAGGCGTGTGAGAGCAACCGTCTGGAGCATCTTTGTGTGCTCACTGC 360
Db GGGCTGTGTGCGCGCGGTGAGACAAACGCTGTGTGTCTATCTTGGACATGTGCTGC 209

Qy 361 TGGGCAACGTGTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db TGGGCAACGT 269

Qy 421 GCTGTGTGTCAACCTCTTCTGCGCGGATTTGCTTTCACAGCGCATCTTCTTGTG 480
Db GCTGTGTGTCAACCTCTTCTGCGCGGATTTGCTTTCACAGCGCATCTTCTTGTG 329

Qy 481 TCGT 540
Db TCGT 389

Qy 541 ACCTGATGACATGAGGCGGAGCGCTCAAGATCTCAACTGTGCGCGGTGACCTGAGC 600
Db ACCTGATGACATGAGGCGGAGCGCTCAAGATCTCAAGATGTGCGCGGTGAGC 449

Qy 601 GCATGT 660
Db GCATGT 509

Qy 661 CGGCACTGT 720
Db CAGT 569

Qy 721 TGTTCGCGT 780
Db TGTTCGCGT 629

Qy 781 TGGATTGGCCCAACCGCATAGAGAGAAATCTCATGGATGTGTGTGTGTGTGTGT 840
Db TGAATTTGGCCCAATCTGAGAGAGATCTGTGGATGTGTGTGTGTGTGTGTGT 689

Qy 841 TCTGT 900
Db TCTGT 749

Qy 901 CATGCGGAGAGGCTTACGCTGAGCTTGTGATCTGTGAGAGGACACAGATCCGATGT 960
Db CATGAGAGAGAGGCTTACGCTGAGCTTGTGATCTGTGAGAGGACACAGATCCGATGT 809

Qy 961 CCCAACAAGACTACGACTCTTCTGCGACGCTCTTCTGTCTCATGATTTCTTCTTCA 1020
Db CCCAGAGAGACTTCTGCGCTCTTCTGCGACGCTCTTCTGTCTCATGATTTCTTCTTCA 869

Qy 1021 TGTGGATGCCATCATATATACATCTCTCTCATCTTGTATCCAAATTTCCGGAGAGC 1080
Db TGTGGATGCCATCATATATACATCTCTCTCATCTTGTATCCAAATTTCCGGAGAGC 929

Qy 1081 TGGTCACTGTGGCAATCCCTTTTCTTGTGGTGTGTGTGTGTGTGTGTGTGTGTGT 1140
Db TGGTCACTGTGGCAATCCCTTTTCTTGTGGTGTGTGTGTGTGTGTGTGTGTGTGT 989

Qy 1141 TAAACCCCAATCTGTACAACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Db TAAACCCCAATCTGTACAACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1049

Qy 1201 GCTTCTTTTCCAGAGAGGAGCCATTTTATACAGATGCTGTGAGGGAATGACT 1260
Db GCTTCTGTGTTCCAGAGAGGAGCCATTTTATACAGACATCTGTGTAAAAAATGACT 1109

Qy 1261 TGTCTGTATTTCCAGCTAA-----CTAGCTGTGTGTCAGGTGAAACAC 1306
Db TGTGATTAATTTCTGCTAAATTTTCTTTATAGCGAGTTTCTCACACGTGCGAGCTGT 1169

Qy 1307 GGTGTGATGTAAAGGAGTTAACTTCAAGAAAGCCACCAAGTGTGCGCTTGTAA 1366
Db GGTGTGATTTTAAACAGATTCATTTCCAGTATCCCTCATAGTGACACCTGTCTTAA 1229

Qy 1367 ATACCCGACTTCCAAACGACGAGCATCTAGGAGCCAGCAATTAAGGAATGATGCTCAG 1426
Db A-ATGAACTTATGCAATATGACATCCACAGCGCTGTTAAATTAAGGGTATACCAAG 1288

Qy 1427 TATTAATAATTTTCTTCTTAAAGAACTTCTATGGG 1463
Db TTTCATATATTTTCCCTTATTAAGATTTGTGG 1325

RESULT 8
US-10-077-698-2
; Sequence 2, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-077-698-2

Query Match 55.5%; Score 866.2; DB 5; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2.3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

Qy 181 GCCGGGGCCCGCATGTCCTGAGTGTGACAGACGAGCGGCTGTGCTCGACACA 240
Db GCCAGGGCCCGGGAATGTCCTGTAATGCGCGGGGAGCGGGGAGCGCGCTTGGGCA 89

Qy 241 CCTTGGACCAAGTCAATGACACCACTTCTTCTTCTGAGATGACAGGGGACACAC 300
Db GCCCTGGAGCAAGCCAGACCGGCTTCTTCTTCTTCTGAGATGACAGGGGACACAC 149

Qy 301 GGTGGATGAGGCGTGTGAGAGCAACCGTCTGGAGCATCTTTGTGTGCTCACTGC 360
Db GGGCTGTGTGCGCGGTGAGACAAACGCTGTGTGTCTATCTTGGACATGTGCTGC 209

Qy 361 TGGGCAACGTGTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db TGGGCAACGT 269

Qy 421 GCTGTGTGTCAACCTCTTCTGCGCGGATTTGCTTTCACAGCGCATCTTCTTGTG 480
Db GCTGTGTGTCAACCTCTTCTGCGCGGATTTGCTTTCACAGCGCATCTTCTTGTG 329

Qy 481 TCGT 540
Db TCGT 389

QY 541 ACCTGATGACATGAGCGGAGCGTACAGATCTCTCACTGCGCGGCTGAGCGTGGAGC 600
| | | | |
DB 390 AGCTGATGACCTCGAGGCGAGGCTGACCATCTCTCAAGCTGGCGGGTACGCTGGAGC 449
| | | | |
QY 601 GCATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
| | | | |
DB 450 GCATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 509
| | | | |
QY 661 CGGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
| | | | |
DB 510 CAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 569
| | | | |
QY 721 TGTTCGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
| | | | |
DB 570 TCTTTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 629
| | | | |
QY 781 TGTATTTGGCCCAACCGCATGAGAAATCTCATGAGATGCTGCTGCTGCTGCTGCTGCTGCT 840
| | | | |
DB 630 TGTATTTGGCCCAACCGCATGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 689
| | | | |
QY 841 TCTTGTGCGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
| | | | |
DB 690 TCTTGTGCGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 749
| | | | |
QY 901 CATCGCGAAGAGGCTTACGCTGAGCTTGTGATGCTGAGAGCCACAGATCCGAGTGT 960
| | | | |
DB 750 CATCAAGGAAGAGGCTTACGCTGAGCTTGTGATGCTGAGAGCCACAGATCCGAGTGT 809
| | | | |
QY 961 CCCAACAAGACTACCGACTTTCGCAAGCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
| | | | |
DB 810 CCCAACAAGACTACCGACTTTCGCAAGCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 869
| | | | |
QY 1021 TGTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
| | | | |
DB 870 TGTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 929
| | | | |
QY 1081 TGTGATCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
| | | | |
DB 930 TGTGATCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 989
| | | | |
QY 1141 TAAACCCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
| | | | |
DB 990 TAAACCCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1049
| | | | |
QY 1201 GCTTCTTTTTCAGAGAGGAGGCAATTTTACAGTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
| | | | |
DB 1050 GCTTCTTTTTCAGAGAGGAGGCAATTTTACAGTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1109
| | | | |
QY 1261 TGTCTGTTATTTTCCAGCTAA-----CTAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1306
| | | | |
DB 1110 TGTCTGTTATTTTCCAGCTAA-----CTAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1169
| | | | |
QY 1307 GGTGTGATGTTAAAGGAGTTAACTTCAGAGAAAGCCACAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1366
| | | | |
DB 1170 GGTGTGATGTTAAAGGAGTTAACTTCAGAGAAAGCCACAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1229
| | | | |
QY 1367 ATACCGGACTTCCAGAGAGGAGTCTACGAGCCAGCAATTAAGAAATGATCCGCTGAG 1426
| | | | |
DB 1230 A-AATGAACTATGCAATTAAGATCCACAGCGTGGTAAATTAAGGAGTATCCACAG 1288
| | | | |
QY 1427 TATATAAATATATTTTCTTAAAGAACTTTCTATGGG 1463
| | | | |
DB 1289 TTTCTATATATTTTCTTAAAGAACTTTGTTGG 1325
| | | | |

RESULT 9
US-10-171-027-2
; Sequence 2, Application US/10171027
; Publication No. US20030073168A1
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; APPLICANT: Tsai, Fong-Ying
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1el G-Protein Coupled Receptor

FILE REFERENCE: MNI-204CP3
; CURRENT APPLICATION NUMBER: US/10/171,027
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US/09/456,455
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-171-027-2
Query Match 55.5%; Score 866.2; DB 5; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2.3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;
QY 181 GCCGGGCGCCGGCATGTCCCTGAGTGTGACAGACGAGCGGCGCTGGTCCCTGCGCAC 240
| | | | |
DB 30 GCCAGGCGCCGGGATGTCCCTGAAATGCGCGCGGAGCGGCGACGCGCTTGCGCA 89
| | | | |
QY 241 CCTGGAACAAGTCAATGCGACCCACTTTCCTTCTGAGTGTCAAGGCGGACACC 300
| | | | |
DB 90 GCTGAGAGCAAGCAACCGACCCGCTTCCCTTCTTCCGACGTCAAGGCGGACACC 149
| | | | |
QY 301 GGTGTGTGTGAGCGCTGTGAGACACCGTCTGTGAGATCATCTTTGTGCTCACTG 360
| | | | |
DB 150 GGTGTGTGTGAGCGCTGTGAGACACCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 209
| | | | |
QY 361 TGGGCAACGCTGT 420
| | | | |
DB 210 TGGGCAACGCTGT 269
| | | | |
QY 421 GCTGTGTGTCAACCTTCTGCGCGGATTTGCTTTCACAGCGGCATCTCTGTAGTGC 480
| | | | |
DB 270 GCTGTGTGTCAACCTTCTGCGCGGATTTGCTTTCACAGCGGCATCTCTGTAGTGC 329
| | | | |
QY 481 TGT 540
| | | | |
DB 330 TGT 389
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QY 541 ACCTGATGACATGAGCGGAGCGTACAGATCTCTCACTGAGCGGAGTCAAGCTGAGAGC 600
| | | | |
DB 390 AGCTGATGACCTGAGCGGAGCGTACAGATCTCTCACTGAGCGGAGTCAAGCTGAGAGC 449
| | | | |
QY 601 GCATGTGTGATCTGTGCGCTTCCGCGGCTTGTAGCGGCGCGGCGGAGCTCAAG 660
| | | | |
DB 450 GCATGTGTGATCTGTGCGCTTCCGCGGCTTGTAGCGGCGCGGCGGAGCTCAAG 509
| | | | |
QY 661 CGGACGCTGCTGCTTCAATATGAGGCTTACTGAGCGCTGCGCGGCTGCGGCTTCAATCT 720
| | | | |
DB 510 CAGTGTGTGCTGCGCTCACTGAGGCTTATTCGCGGCTGCGGCTGCGGCTTCTGTGCTGT 569
| | | | |
QY 721 TGTTCGCGTGTGCGCGGAGGCTTCCGCGGAGGAGCAAGAAATTCGATTTGACAT 780
| | | | |
DB 570 TCTTTGAGTGTGCGCGGAGGCTTCCGCGGAGGAGCAAGAAATTCGATTTGACAT 629
| | | | |
QY 781 TGTATTTGGCCCAACCGCATAGAGAAATCTATGAGATGCTTATTTTGAAGCTTGAAC 840
| | | | |
DB 630 TGTATTTGGCCCAACCGCATAGAGATCTCGTGGAGATGCTTATTTTGAAGCTTGAAC 689
| | | | |
QY 841 TCTGTGTGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
| | | | |
DB 690 TCTGTGTGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 749
| | | | |
QY 901 CATCGGGAAGAGGCTTACGCTGAGCTTGTGAGTCTGAGAGCCACAGATCCGAGTGT 960
| | | | |
DB 750 CATCAAGGAAGAGGCTTACGCTGAGCTTGTGAGTCTGAGAGCCACAGATCCGAGTGT 809
| | | | |
QY 961 CCCAACAAGACTACCGACTTTCGCAAGCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
| | | | |

Db 810 CCCAGCAGACTCCGGCTCTCCGCAACCCCTCTCTCATGCTCTCTTCTTCACTCA 869
Qy 1021 TGTGAGTCCCATCATGATCAACATCTCTCATCTTGATCCAAACTTCCGGAGACC 1080
Db 870 TGTGAGCCCATCATATATCAACATCTCTCATCTTGATCCAAACTTCCGGAGACC 929
Qy 1081 TGTGATCTGAGCATCTCTCTCTCTCTGAGTGTGAGCTTCACTTGGCAACTCTGCC 1140
Db 930 TGTGATCTGAGCATCTCTCTCTCTCTGAGTGTGAGCTTCACTTGGCAACTCTGCC 989
Qy 1141 TAAACCCCATCTCTCAACATGACACTGTGAGGAAATGAGTGAAGAAATTTTGTCT 1200
Db 990 TAAACCCCATCTCTCAACATGACACTGTGAGGAAATGAGTGAAGAAATTTTGTCT 1049
Qy 1201 GCTTCTTTTTCAGAGAGAGGAGCCATTTTTCAGATAGCTGTGTAGGCGAAATGACT 1260
Db 1050 GCTTCTGTTTCCAGAGAGAGGAGCCATTTTTCAGATAGCTGTGTAGGCGAAATGACT 1109
Qy 1261 TGTCTGTTATTTCCAGCTAA-----CTAGCCTGTGTGCGAGTGAACAC 1306
Db 1110 TGTGATTAATTTCTGGCTAAATTTTCTTATAGCCGAGTTTCTCAACCTGGGAGCTGT 1169
Qy 1307 GGTGTGATGTAAAGGAGTTAACTTCAAGGAAAGCCACAGTGCCTGCTTTAAA 1366
Db 1170 GGCATGCTTTTAAACAGAGTTCAATTTCCAGTACCTCTCATGAGCACTGCTTTAAGA 1229
Qy 1367 ATACCCGACTTCCAGAGGAGCTTCAAGGAGGAGGAGCAAAATTAAGAAATGATGCTCAG 1426
Db 1230 A-AATGAACCTATGCAAAATGACATCCACAGCGGTGAATTAAGGAGTGAATCAACAG 1288
Qy 1427 TATAAATAATATTTTCTTAAAGAACTTTCTATGGG 1463
Db 1289 TTTCTATATATTTTCTTAAAGAACTTTGTTGG 1325

RESULT 10
US-10-075-987-2
Sequence 2, Application US/10075987
Publication No. US20030166061A1
GENERAL INFORMATION:
APPLICANT: Glucksmann, Maria A.
TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Receptor
FILE REFERENCE: 5800-4B, 035800/177086
CURRENT APPLICATION NUMBER: US/10/075,987
CURRENT FILING DATE: 2002-02-13
PRIOR APPLICATION NUMBER: US/09/261,599B
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/223,538
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 1743
TYPE: DNA
ORGANISM: Homo sapiens
US-10-075-987-2

Query Match 55.5%; Score 866.2; DB 6; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2,3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;
Qy 181 GCGGGGCGCCGCGCATGTCCTCCGATGATGTGCACAGAGAGGCGCCGTGCTCTCGACA 240
Db 30 GCCAGGCGCGGGAATGTCCCTGAAATGCGCGGGGAGGCGGAGCGCCCTTGGCA 89
Qy 241 CCCTGGAACAATGATGACCACTTCTCTTCTCTGAGATGTCAAGGAGGACACC 300
Db 90 GCTTGAGAGCAAGCAACCGACCCGCTTCTCTCTCTGAGATGTCAAGGAGGACACC 149
Qy 301 GGTGGTGTGAGCGTGTGAGAACCAACCGTCTGAGACTCATCTTGTGCTCACTGC 360
Db 150 GGTGGTGTGAGCGCGCGGTGAGAACCAACCGTGTGAGACTCATCTTGTGAGTGTGCTGC 209

Qy 361 TGGCAACATGTGTGCTCTAGTGTGAGCGCGCGCTGAGCGCGGAGCGCTGAGCGCA 420
Db 210 TGGCAACATGTGTGCTCTAGTGTGAGCGCGCGCTGAGCGCGGAGCGCGCTGAGCGCA 269
Qy 421 GCTGTGCTCAACTCTTCTGCGGAGATTTGCTTTCACAGAGCGCATCTCTAGTGC 480
Db 270 GCTGTGCTCAACTCTTCTGCGGAGATTTGCTTTCACAGAGCGCATCTCTAGTGC 329
Qy 481 TGTGTGCTGAGCTGAGAGCTGAGAGCTGAGAGCTGAGAGCTGAGAGCTGAGAGCTGAG 540
Db 330 TGTGTGCTGAGCTGAGAGCTGAGAGCTGAGAGCTGAGAGCTGAGAGCTGAGAGCTGAG 389
Qy 541 ACCTGATGACATGAGAGGAGGAGTCAACATCTCTCACTAGGCGCGGCTGAGCGTGAAGC 600
Db 390 ACCTGATGACCTGAGAGGAGGAGTCAACATCTCTCACTAGGCGCGGCTGAGCGTGAAGC 449
Qy 601 GCAATGTGTGATGTGAGCGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660
Db 450 GCAATGTGTGATGTGAGCGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 509
Qy 661 GGCATGCTGCTGCTTCTATAGGAGTATCTGAGCGCTGAGCGCGCTGAGCGCTGAGCAT 720
Db 721 TGTTCGCGGTGTCCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
Qy 570 TCTTTGAGTGTGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 629
Db 781 TGTATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840
Qy 630 TGTATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 689
Db 841 TGTGTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 900
Qy 690 TGTGTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 749
Db 901 CATGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 960
Qy 750 CATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 809
Db 961 CCCAGAGAGCTACGAGCTCTTCCGAGCGCTTCTCTGCTCATAGTGTCTCTTCTTCACTCA 1020
Qy 810 CCCAGAGAGCTTCCGAGCTCTTCCGAGCGCTTCTCTGCTCATAGTGTCTCTTCTTCACTCA 869
Db 1021 TGTGAGTCCCATCATCATCATCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1080
Qy 870 TGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 929
Db 1081 TGTGATCTGAGCATCT 1140
Qy 930 TGTGATCTGAGCATCT 989
Db 1141 TAAACCCCATCTCTCAACATGACACTGTGAGGAAATGAGTGAAGAAATTTTGTCT 1200
Qy 990 TAAACCCCATCTCTCAACATGACACTGTGAGGAAATGAGTGAAGAAATTTTGTCT 1049
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Qy 1050 GCTTCTGTTTCCAGAGAGAGGAGCCATTTTTCAGATAGCTGTGTAGGCGAAATGACT 1109
Qy 1261 TGTCTGTTATTTCCAGCTAA-----CTAGCCTGTGTGCGAGTGAACAC 1306
Db 1110 TGTGATTAATTTCTGGCTAAATTTTCTTATAGCCGAGTTTCTCAACCTGGGAGCTGT 1169
Qy 1307 GGTGTGATGTAAAGGAGTTAACTTCAAGGAAAGCCACAGTGCCTGCTTTAAA 1366
Db 1170 GGCATGCTTTTAAACAGAGTTCAATTTCCAGTACCTCTCATGAGCACTGCTTTAAGA 1229
Qy 1367 ATACCCGACTTCCAGAGGAGCTTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1426
Db 1230 A-AATGAACCTATGCAAAATGACATCCACAGCGGTGAATTAAGGAGTGAATCAACAG 1288
Qy 1427 TATAAATAATATTTTCTTAAAGAACTTTCTATGGG 1463

Db 14 GCCAGGGGGCCGGGAATGTCCTGTAATGCGGCGGCGAGCGGGGAGCGCGCCCTTGCGCA 73
Qy 241 CCTTGACCAAGTCAATGCAACCACTTCCCTTCTCTCGAATGCAAGGCGACCAAC 300
Db 74 GCGTGGAGCAAGCCGACCCGCTTCTCTCTCCAGGTCAAGGGCGACCAAC 133
Qy 301 GGTGGATGAGGCTGGTGAAGACACCGCTTCTGGAGCATCTTTGTCGTCACATGC 360
Db 134 GCGTGGATGAGGCTGGTGAAGACACCGCTTCTGGAGCATCTTTGTCGTCACATGC 193
Qy 361 TGGGCAACGTGTGCTCTAGTGTGTGAGCGCGCGCTCGGCGCGTGGGCGTCAAGCA 420
Db 194 TGGGCAACGTGTGAGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 253
Qy 421 GCGTGGATGAGGCTGGTGAAGACACCGCTTCTGGAGCATCTTTGTCGTCACATGC 480
Db 254 GCGTGGATGAGGCTGGTGAAGACACCGCTTCTGGAGCATCTTTGTCGTCACATGC 313
Qy 481 TCGTGGATGAGGCTGGTGAAGACACCGCTTCTGGAGCATCTTTGTCGTCACATGC 540
Db 314 TGGGCAACGTGTGAGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 373
Qy 541 ACCTGATGACAAATGAGCGGCGACGCTCAAGATCTCAACAAGCGCGTCAAGCTGAGC 600
Db 374 ACCTGATGACAAATGAGCGGCGACGCTCAAGATCTCAACAAGCGCGTCAAGCTGAGC 433
Qy 601 GCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 660
Db 434 GCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 493
Qy 661 CGGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 720
Db 494 CAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 553
Qy 721 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 780
Db 554 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 613
Qy 781 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 840
Db 614 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 673
Qy 841 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 674 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 733
Qy 901 CATGCGGAAAGAGCTTACGCTGAGCTTGTGATGATGATGATGATGATGATGATGATG 960
Db 734 CATGCGGAAAGAGCTTACGCTGAGCTTGTGATGATGATGATGATGATGATGATGATG 793
Qy 961 CCCAACAAGACTACGCTTTCGCAAGCTTTCGCTGCTGATGATGATGATGATGATGATG 1020
Db 794 CCCAACAAGACTACGCTTTCGCAAGCTTTCGCTGCTGATGATGATGATGATGATGATG 853
Qy 1021 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 854 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 913
Qy 1081 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
Db 914 TGTTCGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 973
Qy 1141 TAAACCCCAATAGTCAACATGTCGCTTTCAGGAAAGAAATGAGAAATTTTGTCT 1200
Db 974 TAAACCCCAATAGTCAACATGTCGCTTTCAGGAAAGAAATTTTGTCT 1033
Qy 1201 GCTTCCTTTTTCAG 1260
Db 1034 GCTTCCTTTTTCAG 1093
Qy 1261 TGTTCCTTTTTCAG 1306

Db 1094 TGTTCCTTTTTCAG 1139
RESULT 13
US-09-992-331-1
; Sequence 1, Application US/09992331
; Publication No. US2003022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTIER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGBRMY18.
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/248,483
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-992-331-1

Query Match 52.5%; Score 818.8; DB 3; Length 1086;
Beet Local Similarity 84.6%; Pred. No. 1.1e-209;
Matches 919; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
Qy 195 ATGTCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 254
Db 1 ATGTCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 60
Qy 255 AATGCAACCACTTCCCTTCTCTCGAATGCAAGGCGACCAACCGGTGATGATGATGATG 314
Db 61 AATGCAACCGCTTCCCTTCTCTCGAATGCAAGGCGACCAACCGGTGATGATGATGATG 120
Qy 315 GTCTGAGAACCAACCGCTTCTCTCGAATGCAAGGCGACCAACCGGTGATGATGATGATG 374
Db 121 GCGGTGAGAACCAACCGCTTCTCTCGAATGCAAGGCGACCAACCGGTGATGATGATGATG 180
Qy 375 GCTCTAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 434
Db 181 GCTCTAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 240
Qy 435 CTCTTCTGCGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 494
Db 241 CTCTTCTGCGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 300
Qy 495 ACTGAGGCTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 554
Db 301 ACTGAGGCTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 360
Qy 555 AGCGGAGCGTCAACGATCTCAACATGAGCGCGGTGAGCGGATGAGCGGATGAGCGGATG 614
Db 361 AGCGGAGCGTCAACGATCTCAACATGAGCGCGGTGAGCGGATGAGCGGATGAGCGGATG 420
Qy 615 GTGCGCTTCGCGAGCTTGAAGCGCGCGGCGGCGGAGCTCAAGCGGAGCTGATGATGATG 674
Db 421 GTGCGCTTCGCGAGCTTGAAGCGCGCGGCGGCGGAGCTCAAGCGGAGCTGATGATGATG 480
Qy 675 TTCAATAGGAGTAACTGAGCGCTGAGCGCGCTGATGATGATGATGATGATGATGATGATG 734
Db 481 CTCAATAGGAGTAACTGAGCGCTGAGCGCGCTGATGATGATGATGATGATGATGATGATG 540
Qy 735 CCGGAGCGCTTCCGCGGAGGAGCAAGAAATTCGATTTGCAATGATGATGATGATGATGATG 794

Db 541 CGGCAACGGCTCCCGCGCGGACGAGAAATTTGATTTGACACATGATTTGGCCACC 600
Qy 795 CGCATAGAGAAATCTCATGAGATGTGTTTTTGGAGACTTTGAATCTCTGTGCGCGGA 854
Db 601 ATTCCCGAGAGATCTCGTGGAGATGTCCTTTTGTACTTTTGAATCTTGTGCGCAGGA 660
Qy 855 CTGGTATTGTGATGATTAAGTTTACAGATCAGAAAGCATGCGGAAAGAG 914
Db 661 CTGGTATTGTGATGATTAAGTTTACAGATCAGAAAGCATGAGAAAGAG 720
Qy 915 CTAGCGTGAAGCTTGGGATCTGTAGAGCCACAGATCCGATGTCCTCAAGACTAC 974
Db 721 CTACCGGTAAAGCTGGGCTACTCGAGAGCCACAGATCCGATGTCCTCAAGACTAC 780
Qy 975 CGACTCTTCCGACAGCTTCTCTGCTCATAGTGTTCCTTTCATCATGAGATCCCATC 1034
Db 781 CGGCTCTTCCGACAGCTTCTCTGCTCATAGTGTTCCTTTCATCATGAGATCCCATC 840
Qy 1035 ATCATCACATCTCTCTCATCTTGATCCAAACCTTCCGAGAGACCTGATCTGAGCA 1094
Db 841 ATCATCACATCTCTCTCATCTTGATCCAAACCTTCCGAGAGACCTGATCTGAGCA 900
Qy 1095 TCCCTTTTCTTCTGAGTGTGAGCTTCAAGCTTGGCAACTGTGCTTAAACCCCATACTG 1154
Db 901 TCCCTCTTCTTCTGAGTGTGAGCTTCAAGCTTGGCAACTGTGCTTAAACCCCATACTG 960
Qy 1155 TACAAATGCTGCTGTTCAGAAAGCAATGAGAGAAATTTTGTGCTTCTTTTCCCA 1214
Db 961 TACAAATGCTGCTGTTCAGAAAGCAATGAGAGAAATTTTGTGCTTCTTTTCCCA 1020
Qy 1215 GAGAGGAGGAGCAATTTTACAGATAGCTGTGAGGAGAAATGATGCTGTTATTTCC 1274
Db 1021 GAGAGGAGGAGCAATTTTACAGATAGCTGTGAGGAGAAATGATGCTGTTATTTCC 1080
Qy 1275 AGCTAA 1280
Db 1081 GGCTAA 1086
RESULT 14
US-10-262-313-1
; Sequence 1, Application US/10262313
; Publication No. US20030129653A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY18, EXPRESSED HIGH
; FILE REFERENCE: D0048 CIP
; CURRENT APPLICATION NUMBER: US/10/262,313
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-262-313-1
Query Match 52.5%; Score 818.8; DB 6; Length 1086;
Best Local Similarity 84.6%; Pred. No. 1,1e-209;
Matches 919; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
Qy 195 ATGTCCCTGAGTGTGACAGACGAGCGGCTGTGCTCTGACACCTTGAGCCAAATC 254
Db 1 ATGTCCCTGAGTGTGACAGACGAGCGGCTGTGCTCTGAGACCTTGAGCCAAAGCC 60
Qy 255 AATGCAACCACTTCTTCTTCTGAGATGCAAGGGGACACACCGGTTGTGAGC 314
Db 61 AACCGCACCGCTTCTTCTTCTGAGATGCAAGGGGACACACCGGTTGTGAGC 120

Qy 315 GTGCTGAGAGACCAAGCTTCTGAGGACTCATCTTGTGCTCATCTGCTGAGCAAGTGTG 374
Db 121 GCGGTGAGAACAAACGCTGCTGAGTCTCATCTTGTGAGTGTGCTGAGCAAGTGTG 180
Qy 375 GCTTATGCTGAGTGTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 434
Db 181 GCGCTGAGTGTGAGTGTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 240
Qy 435 CTCTTGTGCGGAGATTTGCTTTTCAACAGCGCATCTCTGTGCTGCTGCTGCTGCTG 494
Db 241 CTCTTGTGCGGAGATTTGCTTTTCAACAGCGCATCTCTGTGCTGCTGCTGCTGCTG 300
Qy 495 ACTGAGGCTGAGCTGTTGGGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 554
Db 301 ACTGAGGCTGAGCTGTTGGGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 360
Qy 555 AGCGGAGCGTCAAGATCTTCAACAGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 614
Db 361 AGCGGAGCGTCAAGATCTTCAACAGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 420
Qy 615 GTGCGGCTCGGCG 674
Db 421 GTGCACTTCAAGCG 480
Qy 675 TTCAATGAGGATTAAGTCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 734
Db 481 CTGATCTGAGGCGTATTCG 540
Qy 735 CGGCAAGCGCTTCCG 794
Db 541 CGGCAAGCGCTTCCG 600
Qy 795 CGCATAGAGAAATCTCATGAGATGCTTTTGGAGACTTTTGAACCTTTCGCGCGCGGA 854
Db 601 ATTCTGAGAGATCTCGTGGAGATGCTCTTTGTGTAATTTGAATCTTGTGCGAGGA 660
Qy 855 CTGGTATTGTGATGATTAAGTTTACAGATCAGAAAGCATGCGGAAAGAG 914
Db 661 CTGGTATTGTGATGATTAAGTTTACAGATCAGAAAGCATGCGGAAAGAG 720
Qy 915 CTAGCGTGAAGCTTGGGATCTGTGAGAGCCACAGATCCGATGTCCTCAAGACTAC 974
Db 721 CTACCGGTAAAGCTGGGCTACTCGAGAGCCACAGATCCGATGTCCTCAAGACTAC 780
Qy 975 CGACTCTTCCGACAGCTTCTCTGCTCATAGTGTTCCTTTCATCATGAGATCCCATC 1034
Db 781 CGGCTCTTCCGACAGCTTCTCTGCTCATAGTGTTCCTTTCATCATGAGATCCCATC 840
Qy 1035 ATCATCACATCTCTCTCATCTTGATCCAAACCTTCCGAGAGACCTGATCTGAGCA 1094
Db 841 ATCATCACATCTCTCTCATCTTGATCCAAACCTTCCGAGAGACCTGATCTGAGCA 900
Qy 1095 TCCCTTTTCTTCTGAGTGTGAGCTTCAAGCTTGGCAACTGTGCTTAAACCCCATACTG 1154
Db 901 TCCCTCTTCTTCTGAGTGTGAGCTTCAAGCTTGGCAACTGTGCTTAAACCCCATACTG 960
Qy 1155 TACAAATGCTGCTGTTCAGAAAGCAATGAGAGAAATTTTGTGCTTCTTTTCCCA 1214
Db 961 TACAAATGCTGCTGTTCAGAAAGCAATGAGAGAAATTTTGTGCTTCTTTTCCCA 1020
Qy 1215 GAGAGGAGGAGCAATTTTACAGATAGCTGTGAGGAGAAATGATGCTGTTATTTCC 1274
Db 1021 GAGAGGAGGAGCAATTTTACAGATAGCTGTGAGGAGAAATGATGCTGTTATTTCC 1080
Qy 1275 AGCTAA 1280
Db 1081 GGCTAA 1086
RESULT 15
US-10-768-878-1
; Sequence 1, Application US/10768878
; Publication No. US20040161823A1

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; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRPMY18, EXPRESSED
; FILE OF INVENTION: HIGHLY IN PITUITARY GLAND, COLON CARCINOMA, AND LUNG CANCER CELL
; FILE REFERENCE: D00484 CIP2
; CURRENT APPLICATION NUMBER: US/10/768, 878
; PRIOR FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: U.S. 60/248,483
; PRIOR FILING DATE: 2000-11-14
; PRIOR APPLICATION NUMBER: U.S. 10/262,313
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: U.S. 60/308,540
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-768-878-1

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Query Match      52.5%: Score 818.8; DB 7; Length 1086;
Best Local Similarity 84.6%: Pred. No. 1.1e-209;
Matches 919; Conservative 0; Mismatches 167; Indels 0; Gaps 0;

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QY 195 ATGTCCTCCCTGAGTGTGACAGACGAGCGCCCTGCTGCTGACACCTGAGCAAGTC 254
Db 1 ATGTCCTCCCTGAGTGTGACAGACGAGCGCCCTGCTGCTGACACCTGAGCAAGTC 60

QY 255 AATGCGACCCACTTCCCTTTCTTCTCGAGTCAAGGCGACACCCGTTGCTTGAAC 314
Db 61 AACCGCACCCGCTTCCCTTTCTTCTCGAGTCAAGGCGACACCCGTTGCTTGAAC 120

QY 315 GTGTGAGAGACACCGCTTCCGAGCTATCTTGTGCTCACTGCTGAGCAAGTGTGT 374
Db 121 GCGGTGAGAGACACCGCTTCCGAGCTATCTTGTGCTCACTGCTGAGCAAGTGTGT 180

QY 375 GCTCTAGTGTGTGAGCGCGCCGCTGCGCGCGCTGAGCGAGCTGAGCTGCTCAAC 434
Db 181 GCGCTGTGTGTGAGCGCGCGCCGCTGCGCGCGCTGAGCGAGCTGAGCTGCTCAAC 240

QY 435 CTCTTCTGCGCGGATTTGCTTCTTCAACAGCGGCATCCCTCTAGTGTCTGTGCTGG 494
Db 241 CTCTTCTGCGCGGATTTGCTTCTTCAACAGCGGCATCCCTCTAGTGTCTGTGCTGG 300

QY 495 ACTGAGGCTGTGCTGTGTGAGCGCGCGCTGCTGCTGCTGCTTCTTCAAGTGAATG 554
Db 301 ACTGAGGCTGTGCTGTGTGAGCGCGCGCTGCTGCTGCTGCTTCTTCAAGTGAATG 360

QY 555 AGCGGACAGCTCAAGATCTCAACATGAGCGCGCTGAGCTGAGCGCATGAGTGTGATC 614
Db 361 AGCGGACAGCTCAAGATCTCAACATGAGCGCGCTGAGCTGAGCGCATGAGTGTGATC 420

QY 615 GTGCGCTTCCGCGCGGCTTGAAGCGCCCGGCGCGGAGCTCAAGCGGAGCATGCTG 674
Db 421 GTGCGCTTCCGCGCGGCTTGAAGCGCCCGGCGCGGAGCTCAAGCGGAGCATGCTG 480

QY 675 TTGATATGGGGTACTGTGGGCGCTGCGCGCTGCGCTTCAACATTTGTTCCGCTGCT 734
Db 481 CTATCTGTGGGCTATTTGGGCGCTGCGCGCTGCGCTTCAACATTTGTTCCGCTGCT 540

QY 735 CCGGAGCGCTTCCGCGCGGAGACCAAGAAATTCGATTTGACATTTGAGTGAATGAGCCCAAC 794
Db 541 CCGGAGCGCTTCCGCGCGGAGACCAAGAAATTCGATTTGACATTTGAGTGAATGAGCCCAAC 600

QY 795 CGCATAGAGAAATCTCATGGAGTGTGTTTGTGAGACTTTGAATTCTGTGTCGCGGA 854
Db 601 ATTCCTGAGAGATCTGTGGAGATGTCTTTTGTGTAATTGAATCTTGTGTCGCGGA 660

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QY 855 CTGCTATTTGATCAGTACTTCCAAAATTTTACAGATCAAGAAAGATCGCGAAGAG 914
Db 661 CTGCTATTTGATCAGTACTTCCAAAATTTTACAGATCAAGAAAGATCGCGAAGAG 720

QY 915 CTTAGCTGAGCTTGGCATACTGTAGAGCCACCAATCCGAGTGTCCCAACAAGACTAC 974
Db 721 CTCAGGTAAGCTTGGCATACTGTAGAGCCACCAATCCGAGTGTCCCAACAAGACTAC 780

QY 975 CGACTCTCCGAGCGCTCTTCTGCTGATGATTTCTTTCATCATGTGAGTCCATC 1034
Db 781 CGGCTCTCCGAGCGCTCTTCTGCTGATGATTTCTTTCATCATGTGAGTCCATC 840

QY 1035 ATCATACCAATCTCTCATCTTGTATCCAAACTTCCGAGAGACTGTATGTGCGCA 1094
Db 841 ATCATACCAATCTCTCATCTTGTATCCAAACTTCCGAGAGACTGTATGTGCGCG 900

QY 1095 TCCCTTTTCTTGTGGTGTGCGCTTCAAGTTTGCACACTTGTGCTTAAACCCCAT 1154
Db 901 TCCCTTTTCTTGTGGTGTGCGCTTCAAGTTTGCACACTTGTGCTTAAACCCCAT 960

QY 1155 TACAAATGTGCTGTTCAGAGAAAGATGAGAGAAATTTTGTGCTTCTTTTCC 1214
Db 961 TACAAATGTGCTGTTCAGAGAAATGAGAGAAATTTTGTGCTTCTTTTCC 1020

QY 1215 GAGAAAGGAGCAATTTTACAGATAGCTGTGAGGGAATGACTTGTGATTTTCC 1274
Db 1021 GAAAGGAGCAATTTTACAGATAGCTGTGAGGGAATGACTTGTGATTTTCT 1080

QY 1275 AGCTAA 1280
Db 1081 GGCTAA 1086

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Search completed: December 9, 2005, 06:17:57
 Job time : 1378 secs

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	Query Match	18.2%;	Score 293.6;	DB 6;	Length 1104;	
	Best Local Similarity	85.6%;	Pred. No. 2,4e-60;			
	Matches 327;	Conservative	0;	Mismatches 54;	Indels 1;	Gaps 14;
Oy	381	GTGCTGTGGAGCGCCGCTTGCAGCGCGATGGAGGCGTCAGCAGACCTGTGCTCAACTCTTC	440			
Db	10	GTGCTGTGGAGCGCCGCG-C-GAAGCGCGGCGGAGATGCTGTGCTGTACTCAACTCTTC	68			
Oy	441	TGCCGGATTGCTCTTTCAACCAGCGCATCCTCTTAGTGCTGTGTGCGCTGAGCTAG	500			
Db	69	TGCGGGGACCTGCTCTTTCATCAGCCCTATCCTCTGTGCTGCGCCGTGTGCGAGCTAG	128			
Oy	501	GCGTGGCTGTGGGGCCCCGTCGTGACCACTGCTCTTCTTAAGTATGAATGAGCGAGC	560			
Db	129	GCTTGCTGTGGGCCCGGCTTGCTGTGCAACTGCTCTTCTTAAGTATGAATGAGCGAGC	188			
Oy	561	AGCGTCACGATCTTCAACACTGGCGCGCGGTCAAGCTGAGAGCGCATGATGTGATCTGTGCGC	620			
Db	189	AGCGTCACATCTTCACGCTTGCGCGCGGTCAAGCTGAGAGCGCATGATGTGATCTGTGCAAC	248			
Oy	621	CTCCGCGCGCGCTTAAAGCGGCGCCCGGGGGCGGCGAGACTCAAGCGGCACTGTGGCTTTCAATA	680			
Db	249	CTGACGCGCGGCGTCCGGGGGTCTTGAAGCGCGCGCGGCGAGTGTGCGCTCAATC	308			
Oy	681	TGGGATTACTGCGCGCGCTCGCGCGCGCTGACCTTCAATTTGTTCCGGGTGATCCCGAG	740			
Db	309	TGGGCTATTGGGCGGTGCGCGCTCTGTGCTCTCTGCGTTCTTTCGAGTGTGATCCCGCAA	368			
Oy	741	CGCCTTCCCGGCGGGGACCTAG	762			
Db	369	CGGCTTCCCGGCGGACCTAG	390			

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1      RESULT 2
2      US-10-980-386-33
3      ; Sequence 33, Application US/10980388
4      ; Publication No. US20050255490A1
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Vogeli, Gabriele
7      ; APPLICANT: Parodi, Luis A.
8      ; APPLICANT: Hiesbich, Ronald R.
9      ; APPLICANT: Lind, Peter
10     ; APPLICANT: Kaytes, Paul S.
11     ; APPLICANT: Ruff, Valerie
12     ; APPLICANT: Huff, Rita M.
13     ; APPLICANT: Wood, Linda S.
14     ; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related Appl
15     ; FILE REFERENCE: 00325, US1
16     ; CURRENT APPLICATION NUMBER: US/10/980,388
17     ; CURRENT FILING DATE: 2004-11-02
18     ; PRIOR APPLICATION NUMBER: US/09/791,932
19     ; PRIOR FILING DATE: 2001-02-23
20     ; PRIOR APPLICATION NUMBER: 60/184,305
21     ; PRIOR FILING DATE: 2000-02-23
22     ; PRIOR APPLICATION NUMBER: 60/184,304
23     ; PRIOR FILING DATE: 2000-02-23
24     ; PRIOR APPLICATION NUMBER: 60/184,303
25     ; PRIOR FILING DATE: 2000-02-23
26     ; PRIOR APPLICATION NUMBER: 60/184,397
27     ; PRIOR FILING DATE: 2000-02-23
28     ; PRIOR APPLICATION NUMBER: 60/184,247
29     ; PRIOR FILING DATE: 2000-02-23
30     ; PRIOR APPLICATION NUMBER: 60/188,880
31     ; PRIOR FILING DATE: 2000-03-13
32     ; PRIOR APPLICATION NUMBER: 60/217,369
33     ; PRIOR FILING DATE: 2000-07-11
34     ; PRIOR APPLICATION NUMBER: 60/217,370
35     ; PRIOR FILING DATE: 2000-07-11
36     ; PRIOR APPLICATION NUMBER: 60/218,492
37     ; PRIOR FILING DATE: 2000-07-20
38     ; Remaining Prior Application data removed - See File Wrapper or PALM.
39     ; NUMBER OF SEQ ID NOS: 184
40     ; SOFTWARE: Patent version 3.0

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; SEQ ID NO 33
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-980-388-33

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Query Match	14.4%	Score 224;	DB 6;	Length 426;
Best Local Similarity	86.1%	Pred. No. 6.9e-46;		
Matches 248; Conservative	0;	Mismatches 40;	Indels 0;	Gaps 0;

QY	883	TTTAAACAGATACCAAAAGCATCGGGAAGAGGCTTACGCTGAGCTTGGCATACTGTAGA	942
Db	139	TTCCACAGATACAAAAGCATCAAGAAAGAGCTCAGGTAAAGCTGCGCTACTCGAGA	198
QY	943	GCCACCAAGATCCGAGTGTCCCAACAAGACTACCGACTTTTCCGACGCTTTCCTGTCTCA	1002
Db	199	GCCACCAAGATCCGGTGTGCCAGAGAGACTTCCGGCTCTTCCGACACCTCTTCTCTTAA	258
QY	1003	TGCTTTCTCTTATCATGTGAGAGTCCCATCATCATCACCATCTCTCTATCTTGAATCC	1062
Db	259	TGCTCTCTTTTATCATGTGAGAGTCCCATCATCATATCCATCTCTTAATCTGAATCC	318
QY	1063	AAAATTCGCGACAGACTGTCTACTGTGCCATCCCTTTCTTGTGGGTGTGACCTTCA	1122
Db	319	AGAACTTCAAGCAAGACTGTGTATCTGTGCCGTCCCTCTTCTTCTGTGGGTGTGGCTTCA	378
QY	1123	CGTTTGGCAACTGTGCCCTAAACCCCATCTGTACAACATGTCCGTGT	1170
Db	379	CATTGTCAATTCAGCCCTAAACCCCATCTGTACAACATGTACACTGT	426

RESULT 3
US-10-750-185-36071/c

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: Sequence 36071, Application US/10750185
: Publication No. US20050260603A1
:
: GENERAL INFORMATION:
:
: APPLICANT: MMT GENOMICS, INC.
: APPLICANT: DENISE, Sue K.
: APPLICANT: KERR, Richard
: APPLICANT: ROSENFELD, David
: APPLICANT: HOLM, Tom
: APPLICANT: BATES, Stephen
: APPLICANT: FANTIN, Denise
: TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
:
: FILE REFERENCE: MM1100-2
:
: CURRENT APPLICATION NUMBER: US/10/750,185
:
: CURRENT FILING DATE: 2003-12-31
:
: PRIOR APPLICATION NUMBER: US 60/437,482
:
: PRIOR FILING DATE: 2002-12-31
:
: NUMBER OF SEQ ID NOS: 64922
:
: SOFTWARE: PatentIn version 3.1
:
: SEQ ID NO 36071
:
: LENGTH: 1685
:
: TYPE: DNA
:
: ORGANISM: Bovine
:
: US-10-750-185-36071
:
: 19866880675545
:

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Query Match	3.7%	Score 57.4	DB 6	Length 1685
Best Local Similarity	47.4%	Pred. No. 0.00013		
Matches 172; Conservative	0	Mismatches 191	Indels 0	Gaps 0

QY	410	GAGCTCAGACCAAGCTGGTGTCTCAACCTCTTTTGTGGGGGATTTGCTCTTTCACCAAGGCCAT	469
Db	1240	GAGCCACCAACATTAACATCTCAACCTGGCCATGCGCATGAGCTGTCTCATCTCAGCGT	1181
QY	470	CCCTCTAATGCTCGTCTGAGGCTGAGCTGAGGCTGTGGTGTGGGGCCCGCTCTGTGCA	529
Db	1180	GCCCTTCTGGTTCACCTTCACATGTCCTTCGCCACCTGGCCCTTTCGGCGGCTACTCTGCGG	1121
QY	530	CCTGCTCTTTCACGATGATGACATGATGAGGGGAGGCTACATCTCTCAACCTGGCCCGGCT	589
Db	1120	CCTGTGTCTCAGCGGTGAGCAGTCAACATGTTCAACGACGACATCTCACTGTGACTGTGCT	1061

Oy	590	CAGCTTGAGGCGCATAGTGTGATCGTGGCCCTCGGCGCGGCTTAAAGGCGCCGGGAGG	64.9
Db	1060	TAGCTGAGCCCTACGTGAGCCGTGTGACCCCATCMAAGGCGCGACGCTACCGCGGCC	100
Oy	650	GCGGACTCAGGCGGCACTGCTGACTTCATATGAGGTACTCGGCGCCTCGCGCGCTGCC	70.9
Db	1000	CACCGTGGCGAAGGTGATCTGTGGCGCTGTGGGTGCTGTGCTGTCTGTCTATTCTGCC	94.1
Oy	710	CCTCTACATCTTGTTCGCCGTGTCCCGCAGCGGCTTCCCGCGGCGGAGCAGAGAAATTCC	76.9
Db	940	CATCTGTGCTCTTCGCGCGACGCGCGCAACAGCGACGCGACGCTGCGCAACATGCT	88.1
Oy	770	GAT 772	
Db	880	CAT 878	

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RESULT 4
US-11-121-086-8
; Sequence 8, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KRISTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIORITY FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIORITY FILING DATE: 2004-05-04
; NUMBER OF SEQ. ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ. ID NO. 8
; LENGTH: 246960
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-8

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Query Match	3.6%	Score 55.4	DB 7	Length 246960
Best Local Similarity	48.0%	Pred. No. 0.0047		
Matches 158	Conservative 0	Mismatched 171	Indels 0	Gaps 0
QY	314	CGTCGTGAGACACACGTTCTGGGACTCATCTTTGTCGTCTCACTGTGGGCAACGTG	373	
Db	120652	CGTGTTCGAGCCCGTGGGCTACAGCTCATCTTCCCTCTGGGGGTATGGCAACGTCT	120711	
QY	374	TGCTCTAGTCTGTGTGTGGCCGCCGTGTGGCCCGGTGGGGCGTCAGCCAGCTGTGCTCAA	433	
Db	120712	GGTGTGTGTGATCTCTGGAGCGGACCGGACAGACACCGATTCACGAGACTTTCCTGTT	120771	
QY	434	CCCTCTTCGCGCGGATTTGCTCTTACCAACCGCATCCCTCTAGTGTCTGTCTGGCGTGG	493	
Db	120772	CCACTTGGCCCGTGGCCGACCTCTCTGTGTCTTCACTCTTGGCCCTTTCGCTGGCCGAGGG	120831	
QY	494	GACTGAGGCGTGTGCTGTGGGGCCCGTCTGTCCACTGTCTTCTAGCTGATGACAAT	553	
Db	120832	CTCTGTGGGCTGGGTCTGTGGGAACTTCTCTGTGCAAACTGTATATGCTCTGCACAAAT	120891	
QY	554	GAGCGGCAGCGTCAAGATCTTCACACTGGCCCGCGGTCAAGCTTGAGCGCATGTGTGCAT	613	
Db	120892	CAACTTCTAATGCAACAGACCTCTCTCTGGCTGTGATGCGCGGTGACCGGTACTCTGGCAT	120951	
QY	614	CGTGGCCTCTCGGCGCGGCTTGAAGCGCC	642	
Db	120952	TGTCCAGCGCTTCATGCTTACCGCCACC	120980	

RESULT 5
US-11-170-153-9
; Sequence 9, Application US/11170153
; Publication No. US20050266529A1
; GENERAL INFORMATION:
; APPLICANT: DELBERSNUJDER, WILLY

```

APPLICANT: WESP, GUY NYS
APPLICANT: VENEWA, JACOB
APPLICANT: BERGER, CLAUDIA
APPLICANT: LOKEN, CHRISTIANE
TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
FILE REFERENCE: 01975-0034
CURRENT APPLICATION NUMBER: US/11/170,153
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: US/10/088,744
PRIOR FILING DATE: 2002-03-22
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 9
LENGTH: 1594
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (55)..(942)
OTHER INFORMATION: IGS4A truncated DNA long version
US-11-170-153-9

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Query Match	3.2%	Score	50.4	DB	7	Length	1594
Best Local Similarity	48.9%	Pred. No.	0.0065				
Matches	135	Conservative	0	Mismatches	141	Indels	0
						Gaps	0

Oy	487	TGCGGTGACGTGAGGCGCTTGCGCTGTGTGGGAGCCCGCTGTCGTGACCACTGCTCTTCTACGTGA	546
Db	371	TGTGGCGCACTACCCCTTCTCTTGTTCGGAGCCCGTGGCGTGTCTACTTTCAAGAGCGCCCTCT	430
Oy	547	TGACATGAGCGGCGAGCGCTCAAGATCTCTCACTGCGCGGCTGACCTGTGAGCGCATG	606
Db	431	TTGAGACCGGTGTGCTTCCGCTCTCACTCTCAGCATCAACAACCTCAAGCGTGGAGCGCTTACG	490
Oy	607	TGTGATCTGTGCGGCTTCGGGCGCGGCTTTGAGGCGGCGCGGAGGAGGAGATTCAGGCGGCAAC	666
Db	491	TGGCATCTTCAACCCCTTTCGGGCGCAAACTGCAGAGCAACCGGCGCGCGGCGCTTGAGA	550
Oy	667	TGCTGGCTTTCAATGAGGATTACTGGGCGCTGCGCGCGCTGACCCCTCAATCTTGTTCC	726
Db	551	TCTGTGGCATGCTGGGGCTTCTCCGTGCTTCTTCTCCCTGGCCAAACACAGATCATG	610
Oy	727	GGGTGTCCGCAAGCGCTTCCCGGCGGGAGACCAAG	762
Db	611	GCATCAAGTTCACACTTCCCAATGAGTCCCTTG	646

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RESULT 6
US-11-170-153-11
Sequence 11, Application US/11170153
Publication No. US20050266529A1
GENERAL INFORMATION:
APPLICANT: DELERSNIJBER, WILLY
APPLICANT: WEESEP, GUY NYS
APPLICANT: VENEMA, JAKOB
APPLICANT: BERGER, CLAUDIA
APPLICANT: LOKEN, CHRISTIANB
TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
FILE REFERENCE: 01975-0034
CURRENT APPLICATION NUMBER: US/11/170,153
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: US/10/088,744
PRIOR FILING DATE: 2002-03-22
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 11
LENGTH: 1594
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (64)..(942)
OTHER INFORMATION: 1534A truncated DNA short version

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US-11-170-153-11

Query Match	3.2%	Score	50.4	DB	7	Length	1594
Best Local Similarity	48.9%	Pred. No.	0.0055				
Matches	135	Conservative					
		Indels	141				
		Gaps	0				

[illegible]

RESULT 7
US-11-17

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Sequence 1, Application US/11/170153
Publication No. US20050266529A1
GENERAL INFORMATION:
APPLICANT: DELEERSNIJDER, WILLY
APPLICANT: MEESD, GUY NYS
APPLICANT: VENEMA, JACOB
APPLICANT: BERGER, CLAUDIA
APPLICANT: LOKEN, CHRISTIANE
TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
FILE REFERENCE: 01975-0034
CURRENT APPLICATION NUMBER: US/11/170,153
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: US/10/088,744
PRIOR FILING DATE: 2002-03-22
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 1
LENGTH: 1658
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (55)..(1299)
OTHER INFORMATION: IGS4A long version
US-11-170-153-1

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Query Match	3.2%	Score 50.4	DB 7	length 1658
Best Local Similarity	48.9%	Pred. No. 0.0067		
Matches 135, Conservative		0, Mismatches 141	Indels 0	Gaps 0

QY 487 TGGCTGACATGAGCGCTTGGAGCTTTGGGGCCGCTCGTTCACACTGCTCTTTACGTGA 546
Db 371 TGTGGCGCAACTACCTTTTCTTGTTCGGGGCCCTGGAGCTGTCTCTTCAAGACGGCCCTCT 430
QY 547 TGACAAATGAGCGGCAAGCTTACGATCTCTCACACTGGCCGGGGGTCAAGCTTGGAGCGCATGG 606
Db 431 TTGAGACCCGTGTGCTTTCGGCTCCATCTCTCAGCATCACACCCGTACAGCTGGAGACGGCTACG 490
QY 607 TGTGATCGTGGGCTCTCCGGCGGGGTTGAGCGCCCGGGGGCGGCGAATCAAGCGGCAC 666
Db 491 TGGCCATCTTACACCGCTTTCGGGCGCAAACTGACAGACACCCCGGGCGCGGCGCTTACGA 550
QY 667 TGTGTGCTTCAATATGGGTTACTCGGCGCTCGCGCGCTGCGCCCTCTAATCTTGTTC 726

Db 551 TCCTCGGAGATGTCGAGGGCTTCTCCGTCCTTCTCCCTGCCCCAACACAGATCCATG 610

Qy 727 GCGTGTCCCGAGCGCTTCCCGGCGGGAGCCAG 762

Db 611 GCATCAAGTTCACACTTCCCAATGGGTCCCTGG 646

RESULT 8

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US-11-170-153-3
? Sequence 3, Application US/11/170.153
? Publication No. US20050266529A1
? GENERAL INFORMATION:
? APPLICANT: DELEERSNIJDER, WILLY
? APPLICANT: WEESP, GUY NYS
? APPLICANT: VENEMA, JACOB
? APPLICANT: BERGERT, CLAUDIA
? APPLICANT: LOKEN, CHRISTIANE
? TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
? FILE REFERENCE: 01975-0034
? CURRENT APPLICATION NUMBER: US/11/170.153
? CURRENT FILING DATE: 2005-06-30
? PRIOR APPLICATION NUMBER: US/10/088,744
? PRIOR FILING DATE: 2002-03-22
? NUMBER OF SEQ ID NOS: 35
? SOFTWARE: PatentIn Ver. 3.2
? SEQ ID NO 3
? LENGTH: 1658
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (64)..(1299)
? OTHER INFORMATION: IGS4A short version
US-11-170-153-3

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Query Match	3.2%	Score 50.4	DB 7	Length 1658
Best Local Similarly	48.9%	Pred. No. 0.0067		
Matches 135, Conservative	0	Mismatches 141	Indels 0	Gaps 0

QY	487	TGCGCTGGAC	TGAGGGC	CTGGCTGT	TGGGGCCCGG	GTGTG	GGCCAC	CTGCTCTT	CTAGTGA	546		
Db	371	TGTGGCGGA <th>CTAC</th> <th>CCCTTCTT</th> <th>GTGTG</th> <th>CGGGCCCG</th> <th>GTGGG</th> <th>CTGTACTT</th> <th>CAAGACGG</th> <th>CCCTCT</th> <th>430</th>	CTAC	CCCTTCTT	GTGTG	CGGGCCCG	GTGGG	CTGTACTT	CAAGACGG	CCCTCT	430	
QY	547	TGACATAG <th>CGGCGA</th> <th>CGCTCA</th> <th>CGATCTT</th> <th>CA</th> <th>CACTG</th> <th>CGCGGTCA</th> <th>CGCTTG</th> <th>AGCGGATGG</th> <th>606</th>	CGGCGA	CGCTCA	CGATCTT	CA	CACTG	CGCGGTCA	CGCTTG	AGCGGATGG	606	
Db	431	TTGAGAC <th>CGGTGTG</th> <th>CTTGG</th> <th>CGCTTC</th> <th>ATCTT</th> <th>CA</th> <th>CGCATC</th> <th>CA</th> <th>CCGTC</th> <th>AGCGGTACG</th> <th>480</th>	CGGTGTG	CTTGG	CGCTTC	ATCTT	CA	CGCATC	CA	CCGTC	AGCGGTACG	480
QY	607	TGTGATGT <th>GTGGCCT</th> <th>CCCGCGCGG</th> <th>CGCTT</th> <th>GA</th> <th>CGGGCCCG</th> <th>GGGGCGG</th> <th>ATC</th> <th>AGCGGGAC</th> <th>666</th>	GTGGCCT	CCCGCGCGG	CGCTT	GA	CGGGCCCG	GGGGCGG	ATC	AGCGGGAC	666	
Db	491	TGGCCAT <th>CTCA</th> <th>CCCGCTT</th> <th>CGCGCGCA</th> <th>AACTG</th> <th>CA</th> <th>AGAC</th> <th>ACC</th> <th>CGGCGCCCGG</th> <th>CCCTAGGA</th> <th>556</th>	CTCA	CCCGCTT	CGCGCGCA	AACTG	CA	AGAC	ACC	CGGCGCCCGG	CCCTAGGA	556
QY	667	TGCTGGCTT <th>TATATAT</th> <th>GGGGTTA</th> <th>CT</th> <th>CGGCGCT</th> <th>CGCGCGCT</th> <th>GGCCCT</th> <th>CTTCA</th> <th>TCTTGTTC</th> <th>726</th>	TATATAT	GGGGTTA	CT	CGGCGCT	CGCGCGCT	GGCCCT	CTTCA	TCTTGTTC	726	
Db	551	TCCTGGG <th>ATGAT</th> <th>GTGGGGCTT</th> <th>CTTC</th> <th>CGATG</th> <th>CTCTT</th> <th>CTCCT</th> <th>GTGCC</th> <th>CAACAC</th> <th>AGATCATG</th> <th>610</th>	ATGAT	GTGGGGCTT	CTTC	CGATG	CTCTT	CTCCT	GTGCC	CAACAC	AGATCATG	610
QY	727	GCGTGT <th>CCCCGAC</th> <th>GCCTT</th> <th>CCCCGGG</th> <th>CGGGG</th> <th>AACAG</th> <th>CAAG</th> <th>762</th> <td></td> <td></td>	CCCCGAC	GCCTT	CCCCGGG	CGGGG	AACAG	CAAG	762			
Db	611	GCATCA <th>AGTTCC</th> <th>ACTTCTT</th> <th>CCCCA</th> <th>TGGGT</th> <th>CCCTTG</th> <th>646</th> <td></td> <td></td> <td></td>	AGTTCC	ACTTCTT	CCCCA	TGGGT	CCCTTG	646				

RESULT 9

US-11-170-153-5
Sequence 5, Application US/11170153
Publication No. US2005026659A1
GENERAL INFORMATION:
APPLICANT: DELEERSJUDER, WILLY
APPLICANT: WEESP, GUY NYS
APPLICANT: VENEWA, JACOB
APPLICANT: BERGER, CLAUDIA
APPLICANT: LOXEN, CHRISTIANE
TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
FILE REFERENCE: 01975-0034
CURRENT APPLICATION NUMBER: US/11/170.153

! CURRENT FILING DATE: 2005-06-30
! PRIOR APPLICATION NUMBER: US/10/088,744
! PRIOR FILING DATE: 2002-03-22
! NUMBER OF SEQ ID NOS: 35
! SOFTWARE: PatentIn Ver. 3.2
! SEQ ID NO 5
! LENGTH: 1658
! TYPE: DNA
! ORGANISM: Homo sapiens
! FEATURE:
! NAME/KEY: CDS
! LOCATION: (55)..(1299)
! OTHER INFORMATION: IGS4B long version
US-11-170-153-5

Query Match 3.2%; Score 50.4; DB 7; Length 1658;
Best Local Similarity 48.9%; Pred. No. 0.0067;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 487 TGCGCTGAGTGAAGCGCTGCTGTTGGGGCCCGTGCCTGACCTGCTTTACGTGA 546
DB 371 TGTGGCCGAATACCTTTCTTTGTTCCGGCCCGGTGCTTACTTCAAGACGGCCCTT 430
QY 547 TGACAATGAGCGGAGCGCTCAAGATCCTACACTGCGCGGTGAGCGGCAATGG 606
DB 431 TTGAGACCGTGTGCTTGGCCCTTCATCTCAGCATCACCACGCTGAGGCTGACG 490
QY 607 TGTGATCTGTCGCGCTCCGGGGCGGCTTGAAGCGGCCGGCGGAGCTAGCGGAC 666
DB 491 TGGCATCTCTACACCCGCTTCCGCGCAAACTGACAGACACCGCGCGGCGCTCAGA 550
QY 667 TGCTGCTTTATATGAGGATTACTCGGCGCTCGCGGCTGCGCCCTTACATCTTGTTC 726
DB 551 TCTCGGCGATGCTGTGGGGCTTCTCGCTCTTCTCTCCCTCCCAACACGATCATG 610
QY 727 GCGTGTCCCGCAGCGCCTTCCGCGGAGACCAAG 762
DB 611 GCATCAAGTTCACACTTCCCAATGAGGTCCCTGG 646

RESULT 10
US-11-170-153-7
! Sequence 7, Application US/11170153
! Publication No. US20050266529A1
! GENERAL INFORMATION:
! APPLICANT: DELBERSNIDER, WILLY
! APPLICANT: WEESP, GUY NYS
! APPLICANT: VENEMA, JAKOB
! APPLICANT: BERGER, CLAUDIA
! APPLICANT: LOKEN, CHRISTIANE
! TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
! FILE REFERENCE: 01975-0034
! CURRENT APPLICATION NUMBER: US/11/170,153
! PRIOR FILING DATE: 2005-06-30
! PRIOR APPLICATION NUMBER: US/10/088,744
! PRIOR FILING DATE: 2002-03-22
! NUMBER OF SEQ ID NOS: 35
! SOFTWARE: PatentIn Ver. 3.2
! SEQ ID NO 7
! LENGTH: 1658
! TYPE: DNA
! ORGANISM: Homo sapiens
! FEATURE:
! NAME/KEY: CDS
! LOCATION: (64)..(1299)
! OTHER INFORMATION: IGS4B short version
US-11-170-153-7

Query Match 3.2%; Score 50.4; DB 7; Length 1658;
Best Local Similarity 48.9%; Pred. No. 0.0067;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;
QY 487 TGCGCTGAGTGAAGCGCTGCTGTTGGGGCCCGTGCCTGACCTGCTTTACGTGA 546

DB 371 TGTGGCCGAATACCTTTCTTTGTTCCGGCCCGGTGCTTACTTCAAGACGGCCCTT 430
QY 547 TGACAATGAGCGGAGCGCTCAAGATCCTACACTGCGCGGTGAGCGGCAATGG 606
DB 431 TTGAGACCGTGTGCTTGGCCCTTCATCTCAGCATCACCACGCTGAGGCTGACG 490
QY 607 TGTGATCTGTCGCGCTCCGGGGCGGCTTGAAGCGGCCGGCGGAGCTAGCGGAC 666
DB 491 TGGCATCTCTACACCCGCTTCCGCGCAAACTGACAGACACCGGCGCGGCGCTCAGA 550
QY 667 TGCTGCTTTATATGAGGATTACTCGGCGCTCGCGGCTGCGCCCTTACATCTTGTTC 726
DB 551 TCTCGGCGATGCTGTGGGGCTTCTCGGCTCTTCTCTCCCTCCCAACACGATCATG 610
QY 727 GCGTGTCCCGCAGCGCCTTCCGCGGAGACCAAG 762
DB 611 GCATCAAGTTCACACTTCCCAATGAGGTCCCTGG 646

RESULT 11
US-10-467-8555/C
! Sequence 8555, Application US/10467657
! Publication No. US20050260581A1
! GENERAL INFORMATION:
! APPLICANT: CHIRON SPA
! APPLICANT: FONTRANA Maria Rita
! APPLICANT: PIZZA Mariagrazia
! APPLICANT: MONACI Elisabetta
! TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
! FILE REFERENCE:
! CURRENT APPLICATION NUMBER: US/10/467,657
! PRIOR FILING DATE: 2003-08-11
! PRIOR APPLICATION NUMBER: GB-0103424.8
! PRIOR FILING DATE: 2001-02-12
! NUMBER OF SEQ ID NOS: 9218
! SOFTWARE: SeqWin99, version 1.04
! SEQ ID NO 8555
! LENGTH: 747
! TYPE: DNA
! ORGANISM: Neisseria gonorrhoeae
US-10-467-8555

Query Match 3.2%; Score 49.6; DB 6; Length 747;
Best Local Similarity 60.3%; Pred. No. 0.0071;
Matches 82; Conservative 0; Mismatches 54; Indels 0; Gaps 0;
QY 19 GCGCTTCCACTGCAATCTCAAGAGGGGTTGATGAGCTTCACACCATCATGAGCC 78
DB 137 GCTTCTTCCACAGGATTTATCAACGGGTTCTATGACATTTGACATTTGCCATGTC 78
QY 79 ACTCCAGACTTGTCCGCTTACCCGAATCTTCAACGCGAGTGTAGTACCTTTGACA 138
DB 77 ACATCCGAACATGCGCTTCAACGCGACTTTGACGTTGATGTCACCTAGCGCTTACT 18
QY 139 GCCACGAGCGCGGCA 154
DB 17 GCGACCAAGTCCCTTTCA 2

RESULT 12
US-10-502-893-1
! Sequence 1, Application US/10502893
! Publication No. US20050255529A1
! GENERAL INFORMATION:
! APPLICANT: Bayer HealthCare AG
! APPLICANT: Goiz, Stefan
! APPLICANT: Bruggemeier, Ulf
! APPLICANT: Geerte, Andreas
! TITLE OF INVENTION: Diagnostic and Therapeutics for Diseases Associated with a New
! TITLE OF INVENTION: Human 5HT6 Receptor
! FILE REFERENCE: Lea 35 827

```

CURRENT APPLICATION NUMBER: US/10/502,893-1
CURRENT FILING DATE: 2004-07-27
PRIOR APPLICATION NUMBER: PCT/EP03/0004757
PRIOR FILING DATE: 2003-01-20
PRIOR APPLICATION NUMBER: EP 02001942.8
PRIOR FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1
LENGTH: 1984
TYPE: DNA
ORGANISM: Homo sapiens
US-10-502-893-1

```

Query Match	3.2%	Score 49.6	DB 6	Length 1984
Best Local Similarity	51.9%	Pred. No. 0.011		
Matches 112; Conservative	0	Mismatches 104	Indels 0	Gaps 0

[illegible]

```

RESULT 13
US-10-528-031-17/c
Sequence 17, Application US/10528031
Publication No. US20050262577A1
GENERAL INFORMATION:
APPLICANT: ORIDIS BIOMED Forschungs- und Entwicklungs GmbH
APPLICANT: Guelly, Christian
APPLICANT: Buck, Charles R.
APPLICANT: Zatloukal, Kurt
TITLE OF INVENTION: Polypeptides and nucleic acids encoding these and their use for the treatment of liver disorders and epithelial diseases
FILE REFERENCE: Ordis Biomed
CURRENT FILING DATE: 2005-03-16
CURRENT APPLICATION NUMBER: US/10/528, 031
NUMBER OF SEQ ID NOS: 73
SOFTWARE: PatentIn version 3.1
SEQ ID NO 17
LENGTH: 1475
TYPE: DNA
ORGANISM: Homo sapiens
US-10-528-031-17

```

Query Match	2.8%	Score	43.8	DB	6	Length	1475
Best Local Similarity	56.6%	Pred.	No.	0.26			
Matches	81	Conservative			62	Indels	0
		Mismatches				Gaps	0

Qy	979	TCCTCCGACGACTCTTCTCGTCATAGGTTCCTCTTATCATGTGAGTCCCATCA	1038
Dy <td>788 <td>TCCTTATAAACTCTCTCTTCCACATCTCATGCTCTGCTTCTCATCTTCTCT <td>729</td> </td></td>	788 <td>TCCTTATAAACTCTCTCTTCCACATCTCATGCTCTGCTTCTCATCTTCTCT <td>729</td> </td>	TCCTTATAAACTCTCTCTTCCACATCTCATGCTCTGCTTCTCATCTTCTCT <td>729</td>	729
Qy <td>1039 <td>TCACATCCTCTCATCTTGATCCAAACTTCGGCAGAGCTGGTATCTGGCATCC <td>1098</td> </td></td>	1039 <td>TCACATCCTCTCATCTTGATCCAAACTTCGGCAGAGCTGGTATCTGGCATCC <td>1098</td> </td>	TCACATCCTCTCATCTTGATCCAAACTTCGGCAGAGCTGGTATCTGGCATCC <td>1098</td>	1098
Dy <td>728 <td>TCCTGCTCTCTCTCTTTCATCCACACATCTCACCTGGATCTGAGTCAAGTGTCTCC <td>669</td> </td></td>	728 <td>TCCTGCTCTCTCTCTTTCATCCACACATCTCACCTGGATCTGAGTCAAGTGTCTCC <td>669</td> </td>	TCCTGCTCTCTCTCTTTCATCCACACATCTCACCTGGATCTGAGTCAAGTGTCTCC <td>669</td>	669
Qy <td>1099 <td>TTTCTCTTGGGTGGTGGCTTC <td>1121</td> </td></td>	1099 <td>TTTCTCTTGGGTGGTGGCTTC <td>1121</td> </td>	TTTCTCTTGGGTGGTGGCTTC <td>1121</td>	1121
Dy <td>668 <td>TGTCCTCTCGGTCAATAGCCATC <td>646</td> </td></td>	668 <td>TGTCCTCTCGGTCAATAGCCATC <td>646</td> </td>	TGTCCTCTCGGTCAATAGCCATC <td>646</td>	646

```

RESULT 14
US-11-121-086-5/c
/ Sequence 5, Application US/11121086
/ Publication No. US20050266459A1
/ GENERAL INFORMATION:
/ APPLICANT: POULSEN, TIM S
/ APPLICANT: NIELSEN, KIRSTEN V.
/ TITLE OF INVENTION: NOCTEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
/ FILE REFERENCE: 09138.6000-00000
/ CURRENT APPLICATION NUMBER: US/11/121.086
/ CURRENT FILING DATE: 2005-05-04
/ PRIOR APPLICATION NUMBER: 60/567,570
/ PRIOR FILING DATE: 2004-05-04
/ NUMBER OF SEQ ID NOS: 107
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 5
/ LENGTH: 153376
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-11-121-086-5

```

Query Match	2.8%	Score	43.4	DB	7	length	153376
Best Local Similarity	51.3%	Pred.	No	3.3			
Matches 101, Conservative	0	Mismatches	96	Indels	0	Gaps	0

QY	976	GACGCTTCGGCAGGCTTCCTGCTCATGAGTTTCCTTTCATCATGAGAGCCATCA	1035
Db	16167	GCGCTCCCTCCGCTGCTTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTC	161080
QY	1036	TCATCACCATCTCTCATCTGATCCAAACCTTCCGAGGACCTGATCATCTGACCAT	1095
Db	16107	TGTTCCCTCCTCCTCCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTC	16048
QY	1096	CCCTTTCTCTGAGGAGTGGCTTCACTTGGCAACTCTGCGCTAAACCCATCTGT	1155
Db	16047	TCTCGTTCCTCCTCCTCCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTC	15988
QY	1156	ACAACATGCGGCTGTTCT	1172
Db	15987	TCTCTCTGTTCTCTCTCT	15971

```

RESULT 15
US-10-821-234-402/C
; Sequence 402, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Strache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 67/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: PL_SEQ_genes Version 1.0
; SEQ ID NO 402
; LENGTH: 437
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-402

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Query Match	2.7%	Score 42.4;	DB 6;	Length 437;
Best Local Similarity	60.3%;	Pred. NO. 0.32;		
Matches 70; Conservative	0;	Mismatches	46;	Indels 0;
				Gaps 0;

QY	973	ACCGACTCTTCCGCAACGCTCTTCCCTGCTCATGGTCTTCTTCTTCATCATATGGAGTCCCA	1032
Db	389	ACAGGCTCTTCCCTCTCTCTTCTTCTCTCTCTCATCATCTTCATCATATCATCTTCA	330

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GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: December 9, 2005, 03:03:20 : Search time 305 Seconds
(without alignments)
9091.791 Million cell updates/sec

Title: US-10-077-698-5

Perfect score: 1560
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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5: /cgn2_6/ptodata/1/ina/H.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/PC/US.COMB.seq:*
7: /cgn2_6/ptodata/1/ina/PP.COMB.seq:*
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9: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1560	100.0	1560	US-09-261-599B-5	Sequence 5, Appli
2	1560	100.0	1560	US-09-456-455A-5	Sequence 5, Appli
3	866.2	55.5	1743	US-09-261-599B-2	Sequence 2, Appli
4	866.2	55.5	1743	US-09-456-455A-2	Sequence 2, Appli
5	181	11.6	181	US-09-456-455A-14	Sequence 14, Appli
6	138	8.8	241	US-09-456-455A-15	Sequence 15, Appli
7	128.4	8.2	241	US-09-328-111-472	Sequence 472, App
8	128.4	8.2	835	US-09-949-016-5658	Sequence 5658, Ap
9	106	5.8	487	US-09-513-999C-2279	Sequence 2279, Ap
10	80.6	5.2	722	US-09-270-767-10990	Sequence 10990, A
11	77	4.9	601	US-09-949-016-201753	Sequence 201753,
12	77	4.9	25041	US-09-949-016-17400	Sequence 17400, A
13	65.4	4.2	4895	US-09-053-866-1	Sequence 1, Appli
14	65.4	4.2	4895	US-09-479-150-1	Sequence 1, Appli
15	65.4	4.2	4895	US-09-472-130A-1	Sequence 1, Appli
16	64.2	4.1	930	US-09-252-991A-1997	Sequence 1997, Ap
17	64	4.1	777	US-09-252-991A-1732	Sequence 1732, Ap
18	62	4.0	1047	US-08-540-650B-6	Sequence 6, Appli
19	62	4.0	1050	US-09-826-509-502	Sequence 502, App
20	62	4.0	1053	US-09-016-434-1423	Sequence 1423, Ap
21	62	4.0	1882	US-08-540-650B-11	Sequence 11, Appli
22	58.4	3.7	1092	US-08-693-308-1	Sequence 1, Appli
23	58.4	3.7	1092	US-09-077-675A-15	Sequence 15, Appli
24	58.4	3.7	1092	US-09-077-674-15	Sequence 15, Appli

25	58.4	3.7	1095	US-09-743-475-2	Sequence 2, Appli
26	58.4	3.7	3129	US-09-077-675A-14	Sequence 14, Appli
27	58.4	3.7	3129	US-09-077-674-14	Sequence 14, Appli
28	58.4	3.7	4009	US-09-743-475-1	Sequence 1, Appli
29	57.6	3.7	855	US-09-328-352-3024	Sequence 3024, Ap
30	57.6	3.7	2126	US-08-789-354-1	Sequence 1, Appli
31	57.6	3.7	2126	US-09-110-937-1	Sequence 1, Appli
32	57.6	3.7	2126	US-09-058-725B-1	Sequence 1, Appli
33	57.6	3.7	2126	US-09-232-857-1	Sequence 1, Appli
34	57.2	3.7	1164	US-08-993-088A-6	Sequence 6, Appli
35	57.2	3.7	1164	US-08-993-424B-6	Sequence 6, Appli
36	57.2	3.7	1164	US-09-603-680-6	Sequence 6, Appli
37	57.2	3.7	1164	US-09-826-509-504	Sequence 504, App
38	57.2	3.7	1219	US-08-981-700A-3	Sequence 3, Appli
39	57.2	3.7	1365	US-08-899-112B-27	Sequence 27, Appli
40	57.2	3.7	1365	US-09-011-553-4	Sequence 4, Appli
41	55.4	3.6	1011	US-09-013-634-3	Sequence 3, Appli
42	55.4	3.6	1119	US-09-170-496D-65	Sequence 65, Appli
43	55.4	3.6	1119	US-09-170-496D-199	Sequence 199, App
44	55.4	3.6	1679	US-08-202-056-6	Sequence 6, Appli
45	55.4	3.6	1679	US-08-076-093A-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1					
US-09-261-599B-5					
: Sequence 5, Application US/09261599B					
: Patent No. 6395877					
: GENERAL INFORMATION:					
: APPLICANT: Gluckmann, Maria A.					
: TITLE OF INVENTION: 14273 Receptor, A No. 6395877el C-Protein Coupled Receptor					
: FILE REFERENCE: 5800-4B, 035800/177086					
: CURRENT APPLICATION NUMBER: US/09/261,599B					
: CURRENT FILING DATE: 1999-02-26					
: PRIOR APPLICATION NUMBER: 09/107,761					
: PRIOR FILING DATE: 1998-06-30					
: PRIOR APPLICATION NUMBER: 09/223,538					
: PRIOR FILING DATE: 1998-12-30					
: NUMBER OF SEQ ID NOS: 7					
: SOFTWARE: PatentIn Ver. 2.1					
: SEQ ID NO 5					
: LENGTH: 1560					
: TYPE: DNA					
: ORGANISM: Murine ortholog					
US-09-261-599B-5					
Query Match					
Best Local Similarity 100.0%; Score 1560; DB 3; Length 1560;					
Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
QY	1	TTGCAAGCTCAGCGTAAAGCTCTTCCATCGCAATCTCAGAGAAGGGGTTTCATGAGTGC	60		
DB	1	TTGCAAGCTCAGCGTAAAGCTCTTCCATCGCAATCTCAGAGAAGGGGTTTCATGAGTGC	60		
QY	61	TTACACCATCAGTACGACCTCCAGACTTCCGCTTTAACCAGATCTTCAACGGGAG	120		
DB	61	TTACACCATCAGTACGACCTCCAGACTTCCGCTTTAACCAGATCTTCAACGGGAG	120		
QY	121	TTGATGACCTTTGAGAGCAGAGCGGCGGACGCTCCGCAATCTTCCGAGCGGTGG	180		
DB	121	TTGATGACCTTTGAGAGCAGAGCGGCGGACGCTCCGCAATCTTCCGAGCGGTGG	180		
QY	181	GCGGAGCGCGGATGCTCCGCTGAGTGTGACAGAGAGGCGGCTGCTCCGAGCA	240		
DB	181	GCGGAGCGCGGATGCTCCGCTGAGTGTGACAGAGAGGCGGCTGCTCCGAGCA	240		
QY	241	CCCTGACCAAGTCAATGCAACCCACTTCCCTTTTCTCGATGTCAGGCGGACCA	300		
DB	241	CCCTGACCAAGTCAATGCAACCCACTTCCCTTTTCTCGATGTCAGGCGGACCA	300		
QY	301	GGTTGGTTGAGCGTGTGAGACCAACGCTTCCGAGCTCATCTTGTGTCTCACTGC	360		

Db 301 GGTGGGTGAGCGTGTGAGACCAACCGTTGCGGACTCATCTTGTGTGCTCACTGC 360
Qy 361 TGGGCAACGCTGTGTCTGTAGTGTGTGTGGCGCGCCCTCGGCGCCGCGGGGCGTCAAGCA 420
Db 361 TGGGCAACGCTGTGTCTGTAGTGTGTGTGGCGCGCCCTCGGCGCCGCGGGGCGTCAAGCA 420
Qy 421 GCGTGTGTCTCAACCTCTTCTGTGCGCGGATTTGTCTTCAACGAGGCCATCCCTCTAGTG 480
Db 421 GCGTGTGTCTCAACCTCTTCTGTGCGCGGATTTGTCTTCAACGAGGCCATCCCTCTAGTG 480
Qy 481 TCGT 540
Db 481 TCGT 540
Qy 541 ACGT 600
Db 541 ACGT 600
Qy 601 GCATGT 660
Db 601 GCATGT 660
Qy 661 CGGCACTGT 720
Db 661 CGGCACTGT 720
Qy 721 TGTTCGCGGT 780
Db 721 TGTTCGCGGT 780
Qy 781 TGGATTGGCCCAACCGGATAGAGAAATCTCATGTGATGTGTGTGTGTGTGTGTGTGTGT 840
Db 781 TGGATTGGCCCAACCGGATAGAGAAATCTCATGTGATGTGTGTGTGTGTGTGTGTGTGT 840
Qy 841 TCGT 900
Db 841 TCGT 900
Qy 901 CATTCGCGGAGAGGCTTACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Db 901 CATTCGCGGAGAGGCTTACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Qy 961 CCCAACAAGACTACGACTCTTCGCGAGGCTTCTCTGTGTGTGTGTGTGTGTGTGTGTGT 1020
Db 961 CCCAACAAGACTACGACTCTTCGCGAGGCTTCTCTGTGTGTGTGTGTGTGTGTGTGTGT 1020
Qy 1021 TGTGAGT 1080
Db 1021 TGTGAGT 1080
Qy 1081 TGTGATCATGT 1140
Db 1081 TGTGATCATGT 1140
Qy 1141 TAAACCCCATACTGTACATGT 1200
Db 1141 TAAACCCCATACTGTACATGT 1200
Qy 1201 GCTTCTTTTTCAGAGAGGAGCCATTTTACAGATACGTCTGTCAAGCGAAATGACT 1260
Db 1201 GCTTCTTTTTCAGAGAGGAGCCATTTTACAGATACGTCTGTCAAGCGAAATGACT 1260
Qy 1261 TGTCTGTATTTTCAAGTAACTAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1320
Db 1261 TGTCTGTATTTTCAAGTAACTAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1320
Qy 1321 GGGAGTTAACTTCAAGGAAAGCCCAACGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1380
Db 1321 GGGAGTTAACTTCAAGGAAAGCCCAACGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1380
Qy 1381 ACAAGCAGGATCTACGAGCCAGCAAAATTAAGAAATGATGCTCAAGTATTAATAATATTTT 1440
Db 1381 ACAAGCAGGATCTACGAGCCAGCAAAATTAAGAAATGATGCTCAAGTATTAATAATATTTT 1440

Db 1381 ACAAGCAGGATCTACGAGCCAGCAAAATTAAGAAATGATGCTCAAGTATTAATAATATTTT 1440
Qy 1441 TCGTTAAAGAACTTTCTAATGAGTCTTTTGTGAATCTTTTAAAGTGTGTAAATAT 1500
Db 1441 TCGTTAAAGAACTTTCTAATGAGTCTTTTGTGAATCTTTTAAAGTGTGTAAATAT 1500
Qy 1501 GATCTAGTTAAATTAATTTTATTTATTAATGATGCTGTCTCAACAAAAA 1560
Db 1501 GATCTAGTTAAATTAATTTTATTTATTAATGATGCTGTCTCAACAAAAA 1560

RESULT 2
US-09-456-455A-5
; Sequence 5, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; APPLICANT: Tsai, Feng-Ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005a1 G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIORITY FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1560
; TYPE: DNA
; ORGANISM: Murine ortholog
US-09-456-455A-5

Query Match 100.0%; Score 1560; DB 3; Length 1560;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTGCCAAGCTCAGCGGTAAGGCTCTTTCACATGCAATCTCAACAGAGGGGTTCAATGAGTGC 60
Db 1 TTTGCCAAGCTCAGCGGTAAGGCTCTTTCACATGCAATCTCAACAGAGGGGTTCAATGAGTGC 60
Qy 61 TTCACACATCAGTGAACAATCCAGACTGTCCGCTTTTACCAGATCTTTCACAGCGGAG 120
Db 61 TTCACACATCAGTGAACAATCCAGACTGTCCGCTTTTACCAGATCTTTCACAGCGGAG 120
Qy 121 TCGATACCTCTTGAACAGCACAGAGCGCGGAGCTCCGCCATCTTCCCGAGCGGTGG 180
Db 121 TCGATACCTCTTGAACAGCACAGAGCGCGGAGCTCCGCCATCTTCCCGAGCGGTGG 180
Qy 181 GCGGAGCGCGGAGCTCCCGTGAAGTGTGACAGAGACGAGGCGCTGGTCCCTCGACA 240
Db 181 GCGGAGCGCGGAGCTCCCGTGAAGTGTGACAGAGACGAGGCGCTGGTCCCTCGACA 240
Qy 241 CCTTGACCAAGTCAATCCGACCCACTTCCCTTCTTCTGATGTCAAGAGGAGACACC 300
Db 241 CCTTGACCAAGTCAATCCGACCCACTTCCCTTCTTCTGATGTCAAGAGGAGACACC 300
Qy 301 GGTGTGTGTGAAGCTGT 360
Db 301 GGTGTGTGTGAAGCTGT 360
Qy 361 TGGGCAACGCTGT 420
Db 361 TGGGCAACGCTGT 420
Qy 421 GCGTGTGTCTCAACCTTCTGTGCGCGATTTGTCTTCAACAGCGCATCTCTAGTG 480
Db 421 GCGTGTGTCTCAACCTTCTGTGCGCGATTTGTCTTCAACAGCGCATCTCTAGTG 480
Qy 481 TCGT 540
Db 481 TCGT 540

Db 750 CATCAAGGAAGAGCTCAGGTAAGCTTGCTACTGAGAGCAACAGATCCGCTGT 809
Qy 961 CCCAAGAAAGCTACCACTTTCCGACGCTCTTCCGCTCATAGTTTCTTTATATA 1020
Db 810 CCCAGAGAGCTTCCGCTCTCCGACCCCTTCTCCATGATCTCTTCTTATCA 869
Qy 1021 TGTGAGTCCCATCATCATCATCTCTCTCATCTTGTATCAAAATTCCGAGAGACC 1080
Db 870 TGTGAGAGCCCATCATCATCATCTCTCTCATCTGATCCAGAACTTCAAGAGACC 929
Qy 1081 TGTGATCTGGCCATCTCTTTCTTCTGAGTGTGAGCTTCAAGTTTCCACTGTGCC 1140
Db 930 TGTGATCTGGCCGCTCTCTCTTCTGAGTGTGAGCTTCAATTTGTCAAGTCC 989
Qy 1141 TAAACCCCATCTGTAACAATGTCGCTGTTCAAGAAAGAAATTTTGTCT 1200
Db 990 TAAACCCCATCTCTAACAATGACATGTGCAAGAAATGAGTGAAGAAATTTTGTCT 1049
Qy 1201 GCTTCTTTTTCAGAGAAAGAGCCATTTTTCAGATACGTCTGACGAGAAATGACT 1260
Db 1050 GCTTCTGATCCAGAAAGAGCCATTTTTCAGAGACATCTGTCAAAAGAAATGACT 1109
Qy 1261 TGTCTGTTATTTTCAGCTAA-----CTAGCTCTGAGTCCAGTGAACAC 1306
Db 1110 TGTGATTTATTTCTGAGTAAATTTTCTTATAGCCGAGTTCTACACCTGAGAGCTGT 1169
Qy 1307 GGTGTGATGTAAGAGAGTAACTTCAAGAAAGCCACAGTGGCCCTGCTTTAAA 1366
Db 1170 GGAATGTTTTTAAACAGATTCATTTTCAGTACCTTCATCAGAGACCTGCTTTAAGA 1229
Qy 1367 ATACCCGACTTCCAAAGCAGAGCATCTACGAGCCAGCAAAATTAAAGATGATGCTCAG 1426
Db 1230 A-AATGAACCTATAGCAAAATGACATCCACAGCGCTGTAATTAAAGAGTGAATCACAAG 1288
Qy 1427 TATAAAAATATTTTCTTAAAGAACTTCTATGGG 1463
Db 1289 TTTCAATATATTTTCTCTTATAAAGATTTGTGG 1325

RESULT 4
US-09-456-455A-2
; Sequence 2, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; APPLICANT: Tsai, Fong-Ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-456-455A-2

Query Match 55.5%; Score 866.2; DB 3; Length 1743;
Best Local Similarity 80.5%; Pred. No. 5e-193;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

Qy 181 GCGGAGCGCGGATGCTCCCTGATGTGCAAGAGAGCGGCTGTCTCCGACCA 240
Db 30 GCGAGGCGCGGATGCTCCCTGATGTGCAAGAGAGCGGCGAGAGCGGCTGTGCGCA 89
Qy 241 CCTGTGACCAAGTACCAAGCCCACTTCTTCTGTGATGTCAAGGCGGACCA 300
Db 90 GCGTGTGAGCAAGCCCAAGCCGCTTCTTCTGTGATGTCAAGGCGGACCA 149

Qy 301 GGTGTGTTGAGCGGTGAGAGACCAACGTTCTGAGGACTCATCTTGTGTCTACTG 360
Db 150 GGTGTGTTGAGCGGTGAGAGACCAACGTTCTGAGGACTCATCTTGTGTCTACTG 209
Qy 361 TGGGCAACGTGTGTCTGTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db 210 TGGGCAACGT 269
Qy 421 GCTTGT 480
Db 270 GCTTGT 329
Qy 481 TGT 540
Db 330 TGT 389
Qy 541 AGGT 600
Db 390 AGGT 449
Qy 601 GATGT 660
Db 450 GATGT 509
Qy 661 CGGCACTGT 720
Db 510 CGGCACTGT 569
Qy 721 TGT 780
Db 570 TGT 629
Qy 781 TGT 840
Db 630 TGT 889
Qy 841 TGT 900
Db 690 TGT 749
Qy 901 CATGCGGAGAGAGCTTACGCTGAGCTTGTGATGATGATGATGATGATGATGATGAT 960
Db 750 CATCAAGGAAGAGCTCAGGTAAGCTTGCTTCACTCGAAGCCACAGATCCGCTGT 809
Qy 961 CCCAAGAAAGCTACCACTTTCCGACGCTCTTCTCTCATAGTTTCTTTTATATA 1020
Db 810 CCCAGAGAGCTTCCGCTCTCCGACCCCTTCTCTCATGATCTCTTCTTATCA 869
Qy 1021 TGTGAGTCCCATCATCATCATCTCTCTCATCTTGTATCAAAATTCCGAGAGACC 1080
Db 870 TGTGAGAGCCCATCATCATCATCTCTCTCATCTGATCCAGAACTTCAAGAGACC 929
Qy 1081 TGTGATCTGGCCATCTCTTTCTTCTGAGTGTGAGCTTCAAGTTTCCACTGTGCC 1140
Db 930 TGTGATCTGGCCGCTCTCTCTTCTGAGTGTGAGCTTCAATTTGTCAAGTCC 989
Qy 1141 TAAACCCCATCTGTAACAATGTCGCTGTTCAAGAAAGAAATTTTGTCT 1200
Db 990 TAAACCCCATCTCTAACAATGACATGTGCAAGAAATGAGTGAAGAAATTTTGTCT 1049
Qy 1201 GCTTCTTTTTCAGAGAAAGAGCCATTTTTCAGATACGTCTGACGAGAAATGACT 1260
Db 1050 GCTTCTGATCCAGAAAGAGCCATTTTTCAGAGACATCTGTCAAAAGAAATGACT 1109
Qy 1261 TGTCTGTTATTTTCAGCTAA-----CTAGCTCTGAGTCCAGTGAACAC 1306
Db 1110 TGTGATTTATTTCTGAGTAAATTTTCTTATAGCCGAGTTCTACACCTGAGAGCTGT 1169
Qy 1307 GGTGTGATGTAAGAGAGTAACTTCAAGAAAGCCACAGTGTGCTGCTTTAAA 1366
Db 1170 GGAATGTTTTTAAACAGATTCATTTTCAGTACCTTCATCAGTGAACCTGCTTTAAGA 1229

Qy 1367 ATACCGACTTCACAGCAGGCATCTACGAGCCAGCAATTAAGATATCGCTCAG 1426
Db 1230 A-AATGAACCTATGCAATATAGCATCCAGCGTGTGAATTAAGGGGTATCACCAG 1288
Qy 1427 TATATAAATATTTTTCCTTAAAGAACTTTCTATGG 1463
Db 1289 TTTCAATATATTTTCCCTTTATTAAGAATTTGTGG 1325

RESULT 5

US-09-456-455A-14
; Sequence 14, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: MMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 181
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-456-455A-14

Query Match 11.6%; Score 181; DB 3; Length 181;
Best Local Similarity 100.0%; Pred. No. 6.6e-33;

Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1021 TGTGAGTCCATCATCATCAACATCTCTCATCTTATCCAAACTTCGGCAGAGC 1080
Db 1 TGTGAGTCCATCATCATCAACATCTCTCATCTTATCCAAACTTCGGCAGAGC 60
Qy 1081 TGGTCATCTGCCATCCCTTTCTTCTGGGTGGTGGCCCTTCACGTTTCCAACTCTGCC 1140
Db 61 TGGTCATCTGCCATCCCTTTCTTCTGGGTGGTGGCCCTTCACGTTTCCAACTCTGCC 120
Qy 1141 TAAACCCCATCTGTACACACATGTGCTTTCAGGAAGATGAGAAATTTTGTCT 1200
Db 121 TAAACCCCATCTGTACACACATGTGCTTTCAGGAAGATGAGAAATTTTGTCT 180
Qy 1201 G 1201
Db 181 G 181

RESULT 6

US-09-456-455A-15
; Sequence 15, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: MMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 138
; TYPE: DNA

; ORGANISM: Mus musculus
US-09-456-455A-15

Query Match 8.8%; Score 138; DB 3; Length 138;
Best Local Similarity 100.0%; Pred. No. 7.3e-23;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 909 AAGAGCTTACGCTGAGCTTGGCATCTCTGAGAGCCAGATCCGAGTCCCAACAA 968
Db 1 AAGAGCTTACGCTGAGCTTGGCATCTCTGAGAGCCAGATCCGAGTCCCAACAA 60
Qy 969 GACTACGACTCTTCCGACGCTCTCTGCTCATGTGTTCTTCTTCATCATGTGAGT 1028
Db 61 GACTACGACTCTTCCGACGCTCTCTGCTCATGTGTTCTTCTTCATCATGTGAGT 120
Qy 1029 CCCATCATCATCACCATC 1046
Db 121 CCCATCATCATCACCATC 138

RESULT 7

US-09-328-111-472
; Sequence 472, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; PRIOR FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 472
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-472

Query Match 8.2%; Score 128.4; DB 3; Length 241;
Best Local Similarity 89.6%; Pred. No. 1.6e-20;
Matches 138; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 18 AGCTCTTCACTGCAATCTCACAGAGGGGTTTCAGAGTCTTCACACCATCAGTGAC 77
Db 85 AGCTCTTCACTGCAATCTCACAGAGGGGTTTCAGAGTCTTCACACCATCAGTGAC 144
Qy 78 CACTCCAGACTTGTCCGGCTTTTACCCGAATCTTCACAGCGGAGTGCATGCCCTTGAC 137
Db 145 CACACCGGCTCTGACGGCTTCACTGGATCTTCACGCGGTAGTGATGACCTCTTGAC 204
Qy 138 AGCCACGAGCGCGGAGCTCCGCCATCTTCCG 171
Db 205 AGCTACGACGACGGGACGCTCCGCCATCTTCCG 238

RESULT 8

US-09-949-016-5658/c
; Sequence 5658, Application US/09949016
; Patent No. 6812339

```
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ PRIOR FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 5658
/ LENGTH: 835
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-5658

Query Match      8.2%; Score 128.4; DB 3; Length 835;
Best Local Similarity 89.6%; Pred. No. 2.5e-20;
Matches 136; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 18 AGCCTCTTCACATGTCATGAGAGGGTTTCATGAGTGTTCACACCATCAGTGAC 77
DB 174 AGCCTCTTCACACCGCATCTTCACAGAGGGGTTTCATGAGTGTTCACACCATCAGTGAC 115

QY 78 CACTCCAGACTGTTCGGCTTTTACCCGATCTTCACAGCGAGTCGATGACCTCTTGAC 137
DB 114 CACACCGGTCTGTTCAGGCTTTCACCTCGGATCTTCACAGCGCGATGACCTCTTGAC 55

QY 138 AGCCACGAGCGCGCGCAGCTTCGCCATCTTCCCG 171
DB 54 AGCTACGAGCAGCGCGCAGCTTCGCCATCTTCCCG 21

RESULT 9
US-09-513-999C-2279/c
/ Sequence 2279, Application US/09513999C
/ Patent No. 6783961
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Duclet, A.Y.
/ TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
/ Patent No. 6783961
/ FILE REFERENCE: 59.US2.REG
/ CURRENT APPLICATION NUMBER: US/09/513,999C
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/122,487
/ NUMBER OF SEQ ID NOS: 36681
/ SOFTWARE: Patent.pm
/ SEQ ID NO 2279
/ LENGTH: 487
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 202..486
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 99
/ OTHER INFORMATION: s=g or c
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 146
/ OTHER INFORMATION: n=a, g, c or t
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 147
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/ OTHER INFORMATION: t=a or g
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 151
/ OTHER INFORMATION: s=g or c
US-09-513-999C-2279

Query Match      6.8%; Score 106; DB 3; Length 487;
Best Local Similarity 70.4%; Pred. No. 3.6e-15;
Matches 164; Conservative 3; Mismatches 64; Indels 2; Gaps 2;

QY 18 AGCCTCTTCACATGTCATGAGAGGGTTTCATGAGTGTTCACACCATCAGTGAC 77
DB 237 AGCCTCTTCACACCGCATCTTCACAGAGGGGTTTCATGAGTGTTCACACCATCAGTGAC 178

QY 78 CACTCCAGACTGTTCGGCTTTTACCCGATCTTCACAGCGAGTCGATGACCTCTTGAC 136
DB 177 CACACCGGTCTGTTCAGGCTTTCACCTCGGATCTTCACAGCGCGATGACCTCTTGAC 118

QY 137 CAGCCACGAGCGCGCGCAGCTTCGCCATCTTCGCCGAGCGGTGGCGCGCGCAT 196
DB 117 CAGCTACGAGCAGCGCGCA-STCGCCATCTTCCCGCAGCCATTCACAGGATCAGCC 59

QY 197 GTCCCTGAGTGTGACACAGCAGCGCGCGCTGCTTCGACACCCCTGAGC 249
DB 58 GCACCTTCAGCGCGCTGCTGTCAGAGCCCGACACCCCGCGCGCGCGCC 6

RESULT 10
US-09-270-767-10990/c
/ Sequence 10990, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 10990
/ LENGTH: 722
/ TYPE: DNA
/ ORGANISM: Drosophila melanogaster
US-09-270-767-10990

Query Match      5.2%; Score 80.6; DB 3; Length 722;
Best Local Similarity 74.8%; Pred. No. 3.7e-09;
Matches 101; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 19 GCCTCTTCACATGTCATGAGAGGGTTTCATGAGTGTTCACACCATCAGTGAC 78
DB 166 GCCTCTTCACACCGCGATCTGTGAGAGGATTCATGAGTGTTCACCGCTGGTGAC 107

QY 79 ACTCCAGACTGTTCGGCTTTTACCCGATCTTCACAGCGAGTCGATGACCTCTTGAC 138
DB 106 AGCCAGACTGTTCGGCTTTGAGCGCACCTTCAGCGCGATGATGATCAGACCTTAAT 47

QY 139 GCCACGAGCGCGCGC 153
DB 46 CCAACCAAAACACGC 32

RESULT 11
US-09-949-016-201753
/ Sequence 201753, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
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/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO 201753
/ LENGTH: 601
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-201753

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